

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: December 6, 2011

Consent Regular
 Workshop Public Hearing

Department:

Submitted By: Department of Airports

Submitted For:

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

- (A) Amendment No. 6 to the General Consulting Agreement with Ricondo & Associates, Inc. for Consulting/Professional Services in the amount of \$2,923,545 for the continued performance of professional planning and design services related to the approved Palm Beach County Airports Capital Improvement Program, and
- (B) A Budget Amendment of \$555,728 in the Airports Improvement and Development Fund to recognize FAA grant revenue of \$555,728 and to increase Airport Reserves to provide budget to fund the Consulting Agreement.

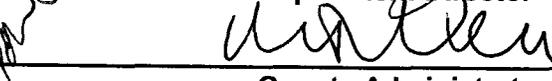
Summary: The Consulting Agreement (R-2009-1643) with Ricondo & Associates, Inc. for general airport planning and design was approved on October 6, 2009 in the amount of \$1,723,324 in order to carry out the approved Capital Improvement Programs for the County's Airports. The agreement is for 2 years with two, one (1) year renewal options. Amendments 1-5 were approved for a net increase in the amount of \$3,140,227. Additionally, Amendment No. 5 exercised the first one (1) year renewal option. Approval of Amendment No. 6 in the amount of \$2,923,545 will provide funds to complete the following tasks and services: Task I Services – Palm Beach International Airport (PBIA) Terminal Flooring Replacement – Supplement for Construction Administration Services, PBIA PFC Application, PBIA Security Enhancements – Design Phase Services, PBIA Roof Leak Investigation (Concourse C Security Checkpoint), PBIA Terminal Air Handler Unit Options Analysis, PBIA Diverted/Large Aircraft Analyses, PBIA Terminal Flooring – Phase II Installation, PBIA Signature Leasehold Site Plan Review, PBIA Terminal Restroom Renovation - Planning and Programming, PBIA Terminal Chiller & Cooling Tower Replacement Design, PBIA Common Use Business Case & Program Definition Study, Palm Beach County Park Airport (LNA) Miscellaneous Pavement Design (Supplement #1), LNA Wildlife Hazard Assessments, LNA South Side Redevelopment Planning, North Palm Beach County General Aviation Airport (F45) Rail Spur Alternatives (Supplement #1 – Civil & Wetland Mitigation Analyses), F45 Wetland Wildlife Hazard Remediation (Supplement #1), F45 Taxiway D Extension – Design Services, F45 Wildlife Hazard Assessments, and Palm Beach County Glades Airports (PHK) Airfield Electrical Upgrades, PHK Apron Pavement Rehabilitation Design; Task II Services – 2011 Annual Facilities Inspections; Task III Services – Miscellaneous Financial Services; Miscellaneous Architectural, Engineering and Planning Services, and Miscellaneous Environmental Consulting Services. Ricondo & Associates, Inc. is a Chicago, Illinois based firm. Approximately 33% of the work associated with tasks in this Amendment will be completed by firms with Palm Beach County offices. Certain tasks performed during the term of this Amendment may be eligible for State and Federal grant participation. The Disadvantaged Business Enterprise (DBE) goal for the agreement was established at 25.00%. The DBE participation for this Amendment is 32.77%. The total DBE participation to date is 11.87%. A corrective action plan to increase DBE participation under this agreement has been approved by the Department. **Countywide (JCM)**

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

Attachments:

- 1. Amendment No. 6 with Ricondo & Associates, Inc. – 3 Originals
- 2. Budget Amendment

Recommended By:  11/3/11
 Department Director Date

Approved By:  11/22/11
 County Administrator Date

**AMENDMENT NO. 6 TO CONTRACT
BETWEEN
PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
AND
RICONDO & ASSOCIATES, INC.
FOR
GENERAL CONSULTING SERVICES FOR ARCHITECTUAL, ENGINEERING, CONSTRUCTION
MANAGEMENT AND LAND DEVELOPMENT
AT
PALM BEACH COUNTY AIRPORTS**

This Amendment No. 6 to the Contract is made as of the _____ day of _____, 2011, by and between Palm Beach County, Florida (COUNTY) and RICONDO & ASSOCIATES, INC., a corporation authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, having its office and principal place of business at 20 North Clark Street, Suite 1500, Chicago, IL 60602, whose Federal Tax I.D. number is 36-3663903.

WITNESSETH

WHEREAS, on October 6, 2009, the County entered into an Agreement (R2009-1643) with the CONSULTANT for the CONSULTANT to provide General Airport Consulting Services for the Palm Beach County Department of Airports, for a period of two (2) years, with two (2) one (1)-year renewal options, the exercise of which are within COUNTY'S sole control and discretion; and

WHEREAS, on March 9, 2010, the COUNTY entered into an Amendment #1 (R2010-0324) with the CONSULTANT for the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on April 20, 2010, the COUNTY entered into an Amendment #2 (R2010-0605) with the CONSULTANT to include additional language to the original Agreement related to the Office of Inspector General Ordinance; and

WHEREAS, on September 14, 2010, the COUNTY entered into an Amendment #3 (R2010-1391) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on February 24, 2011, the COUNTY entered into an Amendment #4 (R2011-0503) with the CONSULTANT to remove language in the Agreement associated with the imposition of an Inspector General Fee ("IG Fee"); and

WHEREAS, on September 13, 2011, the COUNTY entered into an Amendment #5 (R2011-1336) with the CONSULTANT to exercise the first one (1) year renewal option for the continuation of services provided by the CONSULTANT under this contract and to amend the Contract to include changes to Article 10 – Insurance; and

RICONDO & ASSOCIATES, INC.
NOVEMBER 2011

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

NOW THEREFORE, in considerations 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 I. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed Two Million, Nine Hundred Twenty-three Thousand, Five Hundred and Forty-five Dollars (\$2,923,545.00) for the services in Amendment No. 6 to the original Contract.
2. Except as specifically amended herein, all other terms and conditions of the Contract shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused the Sixth Amendment to the Contract to be signed by the Chairperson 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, RICONDO & ASSOCIATES, INC., has caused these present to be signed in its corporate name by its duly authorized officer Pedro Ricondo, Senior Vice President, acting on behalf of said CONSULTANT, and the Seal of said CONSULTANT to be affixed hereto and attested by the Secretary of said CONSULTANT, the day and year first written above.

ATTEST:

PALM BEACH COUNTY, FLORIDA

BOARD OF COUNTY COMMISSIONERS

SHARON R. BOCK
CLERK AND COMPTROLLER

By: _____
Deputy Clerk

By: _____

WITNESS:

CONSULTANT:

Sharon R. Bock
SIGNATURE

RICONDO & ASSOCIATES, INC.

David Barnacorti
Name (type or print)

Pedro Ricondo
Signature

Pedro Ricondo

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

Senior Vice President

BY: _____
County Attorney

(Corporate Seal)

APPROVED AS TO TERMS
AND CONDITIONS

By: *Sam Kelly*
Department Director



EXHIBIT "P"

SCOPE OF SERVICE AND FEES

- A. The scope of services for this Amendment #6 includes Level 1 and Level 2 tasks, as described in the Agreement dated October 6, 2009. Specifically, these services will include:

Level 1 Tasks:

Task I-11-PBI-R-029:	PBI Terminal Flooring Replacement – Supp. for CA Services
Task I-11-PBI-R-030:	PBI PFC Application
Task I-11-PHK-R-031:	PHK Airfield Electrical Upgrades
Task I-11-PBI-R-032:	PBI Security Enhancements – Design Phase Services
Task I-11-PBI-R-033:	PBI Roof Leak Investigation (Concourse C Security Checkpoint)
Task I-11-PBI-R-034:	PBI Terminal Air Handler Unit Options Analysis
Task I-11-PHK-R-035:	PHK Apron Pavement Rehabilitation Design
Task I-11-NCO-R-036:	NCO Taxiway D Extension – Design Services
Task I-11-NCO-R-037:	NCO Wildlife Hazard Assessments
Task I-11-LNA-R-038:	LNA Miscellaneous Pavement Design (Supplement #1)
Task I-11-LNA-R-039:	LNA Wildlife Hazard Assessments
Task I-11-PBI-R-040:	PBI ADG V/VI Compliance Review
Task I-11-PBI-R-041:	PBI Terminal Flooring – Phase II Installation
Task I-11-PBI-R-042:	PBI Signature (NetJets) Leasehold Site Plan Review
Task I-11-PBI-R-043:	PBI Terminal Restroom Renovation - Planning and Programming
Task I-11-LNA-R-044:	LNA South Side Redevelopment Planning
Task I-11-NCO-R-045:	NCO Wetland Wildlife Hazard Remediation (Supplement #1)
Task I-11-PBI-R-046:	PBI Terminal Chiller & Cooling Tower Replacement Design
Task I-11-PBI-R-047:	PBI Common Use Business Case & Program Definition Study
Task I-11-NCO-R-048:	NCO Rail Spur Alternatives (Supplement #1 – Civil & Wetland Mitigation Analyses)
Task II-11-DOA-R-002:	2011 Annual Facilities Inspection

B. Method of payment for services and expenses of consultant:

Level 1 & 2 Tasks – For labor and expenses expended by Consultant for Level 1 Tasks, County shall pay Consultant the amount contained in **Table 1**.

Level 3 Tasks – All Level 3 Tasks will be allocated on an individual task basis at the DOA’s discretion. A separate proposal and written authorization from the Department of Airports is required in advance of any services funded through the Level 3 Tasks. The method of payment for services provided will be prescribed within the Consultant Services Authorizations issued by the Department of Airports.

Table 1
Level 1 Task Fee Structure - Amendment #6 (R&A Work Program #4)

Task Description	Lump Sum Amount	T&M Amount	Lump Sum Expenses	Reimbursable Expenses	Total Cost
Level 1 Tasks:					
PBI:					
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	\$ 37,680	\$ -	\$ 5,075	\$ -	\$ 42,755
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	\$ 43,260	\$ -	\$ 3,600	\$ -	\$ 46,860
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	\$ 491,937	\$ -	\$ 29,280	\$ -	\$ 521,217
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	\$ 5,640	\$ -	\$ 305	\$ -	\$ 5,945
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	\$ 47,178	\$ -	\$ 1,940	\$ -	\$ 49,118
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	\$ 127,841	\$ -	\$ 10,240	\$ -	\$ 138,081
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	\$ 15,200	\$ -	\$ -	\$ -	\$ 15,200
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	\$ 24,315	\$ -	\$ 610	\$ -	\$ 24,925
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	\$ 395,460	\$ -	\$ 3,235	\$ -	\$ 398,695
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	\$ 186,235	\$ -	\$ 8,175	\$ -	\$ 194,410
PHK:					
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	\$ 119,687	\$ -	\$ 3,284	\$ -	\$ 122,971
I-11-PHK-R-035 Apron Pavement Design	\$ 145,876	\$ -	\$ 19,870	\$ -	\$ 165,746
NCO:					
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	\$ 94,165	\$ -	\$ 7,620	\$ -	\$ 101,785
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	\$ 71,470	\$ -	\$ 23,043	\$ -	\$ 94,513
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	\$ 157,784	\$ -	\$ 9,064	\$ -	\$ 166,848
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	\$ 17,089	\$ -	\$ -	\$ -	\$ 17,089
LNA:					
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	\$ 77,145	\$ -	\$ 32,845	\$ -	\$ 109,990
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	\$ 78,241	\$ -	\$ 21,724	\$ -	\$ 99,965
I-11-LNA-R-044 LNA Southside Redevelopment Plan	\$ 22,525	\$ -	\$ 600	\$ -	\$ 23,125
Subtotal Level 1 Tasks					
	\$ 2,193,728	\$ -	\$ 180,510	\$ -	\$ 2,374,238
Level 2 Tasks:					
II-11-DOA-R-002 2011 Annual Facilities Inspections	\$ 125,005	\$ 3,990	\$ 20,162	\$ 150	\$ 149,307
Subtotal Level 2 Tasks					
	\$ 125,005	\$ 3,990	\$ 20,162	\$ 150	\$ 149,307
Level 3 Tasks:					
III-11-DOA-R-007 Miscellaneous Financial Services			Unkown at this Time		\$ 150,000
III-11-DOA-R-008 Miscellaneous AEP Services			Unkown at this Time		\$ 200,000
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services			Unkown at this Time		\$ 50,000
Subtotal Level 3 Tasks					
	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Grand Total Level 1, 2 and 3 Tasks					
	\$ 2,318,733	\$ 3,990	\$ 200,672	\$ 150	\$ 2,923,545

Sources: R&A Team
Prepared by: Ricondo & Associates, Inc.

Attachments:

- Schedule 1 Participation for DBE Consultants – AMENDMENT #6
- Schedule 2 Letter of Intent to Perform as a DBE – AMENDMENT #6
- Exhibit A General Scope of Services – AMENDMENT #6
- Exhibit B Fee Schedules – AMENDMENT #6

**SCHEDULE 1
LIST OF PROPOSED DBE FIRMS
(Attachment _____ to Bid Form)**

Project/Bid Name: Airports General Consultant Services Project/Bid No: Resolution # R2009-1643
 Name of Prime Bidder: Ricondo & Associates, Inc. Change Order/Task No (if applicable): Not Applicable
 Contact Person: David Ramacorti Bid Opening Date: N/A
 Address: 6205 Blue Lagoon Drive, Suite 280, Miami FL, 33126 Department: N/A
 Phone No.: (305) 677-0372 Fax No: (305) 260-2727 E-mail Address: d_ramacorti@ricondo.com

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification (Check applicable box)	Dollar Amount			
			Black	Hispanic	Women	Other (Please Specify)
Hillers Electrical Engineering, Inc. 23257 SR 7, Suite 100 Boca Raton, FL 33428 Office: (561) 457-3765	Electrical Design and Construction Services	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$454,570.00	\$	\$
Brown & Phillips, Inc. 901 Northpoint Parkway West Palm Beach, FL 33407 Office: (561) 615-3988	Surveying	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$16,485.00	\$	\$	\$
Cyriaks Environmental Consulting Services, Inc. 3001 SW 15th Street, Suite B Deerfield Beach. FL 33442 Office: 954.571.0290	Environmental - Wetlands and Phase I ESAs	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$33,035.00	\$
Carolyn Binder, CPA, LLC 3674 Winding Lake Circle Orlando, FL 32835 Office: 1.407.319.0301	Financial Services	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$6,760.00	\$
BND Engineers 4090 NW 97th Avenue, Suite 300 Miami. FL 33178 Office: 305.599.8495	Civil Engineering	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$84,331.00	\$	\$	\$
Master Consulting Engineers, Inc. 5523 W. Cypress Street, Suite 200 Tampa. FL 33607 Office: 813.287.3600	Structural Engineering	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$43,610.00	\$	\$

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification (Check applicable box)	Dollar Amount			
			Black	Hispanic	Women	Other (Please Specify)
American Infrastructure Development, Inc. 13000 N. Dale Mabry Hwy. Tampa, Florida 33618 Office: (813) 374-2200	Civil Engineering	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$176,414.00	\$
Tierra South Florida 2765 Vista Parkway, Suite West Palm Beach, FL 33411 Office: 561-687-8536	Geotechnical and Material Testing	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$73,010.00	\$
Ramski and Company 1235 Mount Vernon Street Orlando, FL 32803 Office: 407.898.6570	Terminal Flooring Product Specifications	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$35,575.00	\$
Colome & Associates, Inc. 530 24th Street West Palm Beach, Florida 33407 Office: (561) 833-9147	Architectural Services	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$	\$25,380.00	\$
Cost Management, Inc. 5507 Alhambra Drive Orlando, FL 32808 Office: 1.407.293.4168	Cost Estimating	<input type="checkbox"/> Prime Contractor <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	\$	\$8,837.00	\$	\$

Total Base Bid Price: \$ 2,923,545.00

Total Value of DBE Participation (Base Bid Only): \$ 958,007.00

Notes:

- The amounts listed on this form for each DBE Firm must be supported by the price included on Schedule 2, "Letter of Intent to Perform as a Disadvantaged Business Enterprise", in order to be counted toward attainment of the DBE goal.
- Firms identified on this form must be certified as a DBE by Palm Beach County or the State of Florida's Unified Certification Program.
- If materials or supplies are proposed to be purchased from a DBE regular dealer, sixty percent (60%) of the proposed expenditure is counted toward attainment of the DBE goal. Reduce dollar amount to 60% of supplier's quote for purposes of determining value of DBE participation. Amounts listed on Schedule "2" should reflect the full expenditure (i.e., do not reduce supplier's quote).

By signing this form the undersigned Prime Bidder is committing to utilize the above referenced DBE Firms on the Project.

By: 
Signature

David Ramacorti, C.M.
Print Name/Title of Person Executing on Behalf of the Prime

Date: 10/31/11

*Additional sheets may be used if necessary.

SCHEDULE 2
(Attachment ___ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Hillers Electrical Engineering, Inc.

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

- Black Hispanic Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

Hillers Electrical Engineering, Inc. will provide electrical engineering services.

at the following price¹: \$454,570.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Paul Hillers
Printed Name of DBE Subcontractor

By: P. Hillers
Signature

Date: 10/26/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment ___ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Brown & Phillips, Inc.

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

- X Black Hispanic Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line/Item/Lot No	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

Brown and Phillips, Inc. will provide surveying services.

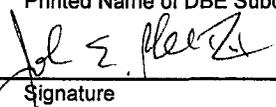
at the following price¹: \$16,485.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

John E. Phillips, III
Printed Name of DBE Subcontractor

By: 
Signature

Date: October 26, 2011

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment ___ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Cyriacks Environmental Consulting Services, Inc.

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

- Black Hispanic Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

Cyriacks Environmental Consulting Services, Inc. will provide environmental consulting service.

at the following price¹: \$33,035.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Wendy Cyriacks
Printed Name of DBE Subcontractor

By: Wendy Cyriacks
Signature

Date: 10/29/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment __ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Carolyn Binder, CPA LLC

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

- Black Hispanic Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

Carolyn Binder, CPA, LLC will provide financial and business planning services.

at the following price¹: \$6,760.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Carolyn Binder, CPA, LLC
Printed Name of DBE Subcontractor

By: 
Signature

Date: 10/25/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment __ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: BND Engineers, Inc.

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

Black Hispanic Women Other (Please Specify) _____

Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

BND Engineers, Inc. will provide civil engineering services.

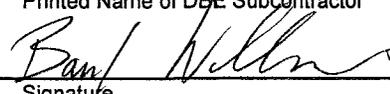
at the following price¹: \$84,331.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ 0

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

BND ENGINEERS INC.
Printed Name of DBE Subcontractor

By: 
Signature

Date: 10/27/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment ___ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Master Consulting Engineers, Inc.

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

- Black Hispanic Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line/Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
			\$	\$
			\$	\$
			\$	\$
			\$	\$

Master Consulting Engineers, Inc. will be providing Structural Engineering Services.

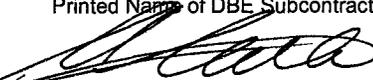
at the following price¹: \$ 43,610.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Master Consulting Engineers, Inc.
Printed Name of DBE Subcontractor

By: 
Signature

Date: 10/20/2011

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

**SCHEDULE 2
(Attachment __ to the Bid Form)**

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: American Infrastructure Development, Inc.

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

- Black Hispanic Women Other (Please Specify) _____
 Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line	Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A

American Infrastructure Development, Inc. will provide civil engineering services

at the following price¹: \$176,414.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

American Infrastructure Development, Inc.
Printed Name of DBE Subcontractor

By: Arbina L. Mohammadi
Signature

Date: 10-25-11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment ___ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Tierra South Florida, Inc.

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

- Black Hispanic Women Other (Please Specify) Asian-Pacific
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line	Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A

Tierra South Florida, Inc. will provide geotechnical evaluations and material testing services.

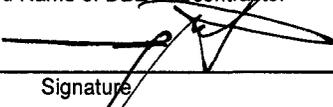
at the following price¹: \$73,010.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Tierra South Florida, Inc.
Printed Name of DBE Subcontractor

By: 
Signature

Date: 11/1/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Ramski and Company, Inc.

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

- Black Hispanic X Women Other (Please Specify) _____
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line	Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	N/A	\$ N/A	\$ N/A

Ramski and Company, Inc. will evaluate terminal flooring products and develop technical specifications

at the following price¹: \$35,575.00
(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ _____.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

JENNIFER RAMSKI
Printed Name of DBE Subcontractor

By: JAMSR
Signature

Date: 10/31/11

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment __ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Colome & Associates, Inc.

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

- Black Hispanic Women Other (Please Specify) _____
 Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
			\$	\$
			\$	\$
			\$	\$
			\$	\$

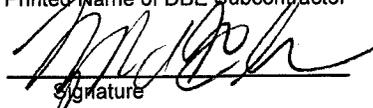
Colome' & Associates, Inc will be providing Architectural Professional Services for the above referenced contract.

at the following price¹: \$ 25,380.00 (Subcontractor/Supplier's Quote)
 and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ N/A.

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Colome' & Associates, Inc.
 Printed Name of DBE Subcontractor

By: 
 Signature

Date: October 20, 2011

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

SCHEDULE 2
(Attachment __ to the Bid Form)

LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE

Project/Bid No.: Resolution # R2009-1643 Project/Bid Name: Airports General Consultant Services

Change Order/Task No. (if applicable): Not Applicable

Name of Prime Bidder: Ricondo & Associates, Inc.

Name of DBE Firm: Cost Management Inc.

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

- Black Hispanic Women Other (Please Specify) Asian
- Prime Contractor Subcontractor Manufacturer Supplier

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

Additional Sheets may be used as necessary.

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A
N/A	N/A	N/A	\$ N/A	\$ N/A

Cost Management Inc. will provide cost estimating services.

at the following price¹: \$8,837.00

(Subcontractor/Supplier's Quote)

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

If the undersigned intends to sub-subcontract any portion of this subcontract to a **non-DBE certified** subcontractor, the amount of any such subcontract must be stated: \$ none

The undersigned subcontractor/supplier understands that the provision of this form to the Prime Bidder does not prevent the subcontractor from providing quotations to other bidders.

Ganesh Jiawon

Printed Name of DBE Subcontractor

By: *Ganesh Jiawon*
Signature

Date: 27 Oct 2011

¹ Do not reduce supplier's quote on this Schedule. Adjustments for purposes of determining the value of a supplier's participation should be reflected on Schedule 1 only. See "Note 3" on Schedule 1.

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PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A

GENERAL SCOPE OF SERVICES

This contract amendment #6 is comprised of Work Program #4, as described herein, and consists of twenty-five tasks. As summarized below, these initial efforts have an overall budget of \$2,923,545 million and are comprised of Level 1, Level 2 and Level 3 tasks.

<u>Task Level / No.</u>	<u>Description</u>	<u>Budget</u>
Level 1 Tasks:		
I-11-PBI-R-029	PBI Terminal Flooring Replacement (Suppl. #1 - CA Services)	\$ 42,755
I-11-PBI-R-030	PBI PFC Application	\$ 46,860
I-11-PHK-R-031	PHK Airfield Electrical Upgrades	\$ 122,971
I-11-PBI-R-032	PBI Security Enhancements – Design Phase Services	\$ 521,217
I-11-PBI-R-033	PBI Roof Leak Investigation (Concourse C Security Checkpoint)	\$ 5,945
I-11-PBI-R-034	PBI Terminal Air Handler Replacement Options Analysis	\$ 35,000
I-11-PHK-R-035	PHK Apron Pavement Rehabilitation Design	\$ 165,746
I-11-NCO-R-036	NCO Taxiway D Extension – Design Services	\$ 101,785
I-11-NCO-R-037	NCO Wildlife Hazard Assessments	\$ 94,513
I-11-LNA-R-038	LNA Miscellaneous Pavement Design (Suppl. #1 – CA Services)	\$ 109,990
I-11-LNA-R-039	LNA Wildlife Hazard Assessment	\$ 99,965
I-11-PBI-R-040	PBI Airplane Design Group V/VI Compliance Review	\$ 49,118
I-11-PBI-R-041	PBI Terminal Flooring – Phase II Installation	\$ 138,081
I-11-PBI-R-042	PBI Signature (NetJets) Leasehold Site Plan Review	\$ 15,200
I-11-PBI-R-043	PBI Terminal Restroom Renovations – Planning & Programming	\$ 24,925
I-11-LNA-R-044	LNA South-Side Redevelopment Planning	\$ 23,125
I-11-NCO-R-045	NCO Wetland Wildlife Hazard Remediation (Supplement #1)	\$ 166,848
I-11-PBI-R-046	PBI Terminal Chiller & Cooling Tower Replacement Design	\$ 398,695
I-11-PBI-R-047	PBI Common Use Business Case & Program Definition Study	\$ 194,410
I-11-NCO-R-048	NCO Rail Spur Alts (Suppl. #1 – Civil & Wetland Mitigation)	\$ 17,089
Sub-total (Level 1)		\$ 2,374,238
Level 2 Tasks:		
II-11-DOA-R-002	2011 Annual Facilities Inspection	\$ 149,307
Sub-total (Level 2)		\$ 149,307
Level 3 Tasks:		
III-11-DOA-R-007	Miscellaneous Financial Consulting Services	\$ 150,000
III-11-DOA-R-008	Miscellaneous AEP Services	\$ 200,000
III-11-DOA-R-009	Miscellaneous Environmental Consulting Services	\$ 50,000
Sub-total (Level 3)		\$ 400,000
Grand Total (Work Program #4)		\$ 2,923,545

Exhibit B contains a series of tables that provide more detail associated with the establishment of the fees prescribed above.

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I

R&A Work Program #4 - Level 1 Tasks

Level 1 tasks include any work effort agreed to between the COUNTY and the CONSULTANT that has a fixed scope and fee. Work Program #4 includes twenty-one tasks assigned to Level 1, as follows.

<u>Task No.</u>	<u>Description</u>
Task I-11-PBI-R-029	PBI Terminal Flooring Replacement – Supp. for CA Services
Task I-11-PBI-R-030	PBI PFC Application
Task I-11-PHK-R-031	PHK Airfield Electrical Upgrades
Task I-11-PBI-R-032	PBI Security Enhancements – Design Phase Services
Task I-11-PBI-R-033	PBI Roof Leak Investigation (Concourse C Security Checkpoint)
Task I-11-PBI-R-034	PBI Terminal Air Handler Unit Options Analysis
Task I-11-PHK-R-035	PHK Apron Pavement Rehabilitation Design
Task I-11-NCO-R-036	NCO Taxiway D Extension – Design Services
Task I-11-NCO-R-037	NCO Wildlife Hazard Assessments
Task I-11-LNA-R-038	LNA Miscellaneous Pavement Design (Supplement #1)
Task I-11-LNA-R-039	LNA Wildlife Hazard Assessments
Task I-11-PBI-R-040	PBI ADG V/VI Compliance Review
Task I-11-PBI-R-041	PBI Terminal Flooring – Phase II Installation
Task I-11-PBI-R-042	PBI Signature (NetJets) Leasehold Site Plan Review
Task I-11-PBI-R-043	PBI Terminal Restroom Renovation - Planning and Programming
Task I-11-LNA-R-044	LNA South Side Redevelopment Planning
Task I-11-NCO-R-045	NCO Wetland Wildlife Hazard Remediation (Supplement #1)
Task I-11-PBI-R-046	PBI Terminal Chiller & Cooling Tower Replacement Design
Task I-11-PBI-R-047	PBI Common Use Business Case & Program Definition Study
Task I-11-NCO-R-048	NCO Rail Spur Alternatives (Supplement #1 – Civil & Wetland Mitigation Analyses)

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-1

Task Scope Sheet

Task I-11-PBI-R-029	PBI Terminal Flooring Replacement (Supplement #1 - CA Services)
---------------------	--

Scope

On September 30, 2010, the Palm Beach County Department of Airports (DOA) issued a notice to proceed (NTP) to the R&A team to provide consulting services associated with initial phase installation of terminal flooring replacement materials at the Palm Beach International Airport (PBI). The scope of this effort included replacement of tile flooring materials in the main terminal building, as well as replacing the carpet down the central circulation areas of Concourses B and C. These services included the following:

- flooring product evaluation and selection
- coordination of sample mockup installations
- preparation of contract documents
- bid and award
- construction administration

Following the bid of the documents and selection of a contractor, the DOA determined that an alternate tile selection was required for the field tile and border tile. The Consultant shall coordinate and facilitate selection of preferred alternate flooring materials and the installation of additional mockups at PBI to facilitate DOA review and approval of the alternate tile and grout products.

Based on the final selection of tile, the Flooring Pattern Plans will need to be redrawn based on the specific dimensions of the new tile. The Consultant will prepare new Pattern Plans and update the Phasing Plans to match.

Additionally, once the Contractor was selected, the Contractor schedule and phasing was coordinated which identified a construction period of ten months. The original proposal anticipated a construction duration of four months. The Consultant shall provide additional Construction Administration services during the Phase I installation for the additional six months.

Specific tasks include:

1. Alternative Tile Selection & Mockups

- 1.1 Coordinate with tile vendors to identify alternative products
- 1.2 Deliver selected options to DOA for review
- 1.3 Coordinate with contractor to prepare up to 3 additional mockups for DOA review
- 1.4 Finalize selection and coordinate with contractor/distributor to identify availability, production approach and delivery schedule

2. Revision of the Tile Pattern Plans and Phasing Plans

- 2.1 Coordinate with tile manufacturer to identify actual installed dimensions
- 2.2 Revise Tile Pattern Plans per exact tile dimensions
- 2.3 Update Phasing Plans to match new Tile Pattern Plans
- 2.4 Distribute new drawings to DOA and Contractor

3. Additional Construction Administration

- 3.1 Attend 15 additional Construction Meetings. Scheduled at 2 per month for 10 months for a total of 20. Original proposal included 5 meetings, so there are 15 additional meetings proposed.
- 3.2 Attend project phasing reviews on a weekly basis for Phase I Construction duration of 40 weeks to review completion and turn over to DOA.

Items of Work Not Included in Scope

Design and Bid Phase Services

Supporting Sub-Consultant

Schenkel Shultz- Architectural

Ramski & Company- Interior Design

Data & Resources Required From Palm Beach DOA or Other Parties

- Review and selection of tile and grout from samples and mockups
- Review and approval of revised Pattern and Phasing plans.

Deliverables

1. Product samples of tile and grout choices.
2. Revised Pattern Plans
3. Revised Phasing Plans

Estimated Duration / Completion Date

4 months for tile selection, revise pattern plans

10 months for CA services

Fee Type and Amount

Lump Sum - \$42,755.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-2

Task Scope Sheet

Task I-11-PBI-R-030

PBI PFC Application 12-13-C-00-PBI

Scope

The primary purpose of this assignment is to assist the Palm Beach County Department of Airports (DOA) in the development of a Passenger Facility Charge (PFC) application and submittal to the Federal Aviation Administration (FAA). This task will include preparation for and participation in any required meetings with the FAA; development of the necessary documentation for the airline consultation meeting and public notice; participation in the airline consultation meeting; preparation of all documentation for the submittal of the PFC Application; any follow up required by the FAA; and preparation of the final notification to the airlines upon approval by the FAA.

The CONSULTANT will join DOA staff in a meeting with FAA-ADO staff to review the potential projects to be included in the PFC Application and obtain acknowledgement that all criteria and procedures are being met or are being planned for. The CONSULTANT will prepare any additional documentation necessary for the FAA's consideration resulting from the initial meeting with FAA-ADO staff. The CONSULTANT will then prepare the required consultation notice for distribution to the airlines and the public notice required to be posted on the website. The CONSULTANT will assist the DOA in developing the project descriptions as well as the justification, objective and significant contribution, where applicable.

The CONSULTANT will attend and direct a PFC airline consultation meeting at the Airport and ensure that the proper procedures are met and documentation obtained. The CONSULTANT will subsequently prepare and submit a draft of the PFC Application to the FAA for their preliminary and informal review while awaiting airline comments. The CONSULTANT will prepare additional information requested by FAA as a result of review of preliminary draft.

After waiting the required 30-day period to receive airline comments, the CONSULTANT will finalize the application and assist the DOA with required responses to airline disagreements, if any. The CONSULTANT will provide the DOA with a completed copy of the application for its signature and submittal to the FAA and will subsequently submit the required copies to the FAA for their consideration. Upon approval of the PFC application, the CONSULTANT will prepare the airline notification letter.

Items of Work Not Included in Scope

Cost estimating of projects included in the PFC Application

Supporting Sub-Consultant

None

Data & Resources Required From Palm Beach DOA or Other Parties

Estimated project costs, start and completion dates, current Airport Layout Plan (ALP), five-year capital program, and any required airspace and/or environmental review documents.

Deliverables

Copies of the PFC Application

Estimated Duration / Completion Date

Within twelve (12) months from the Notice to Proceed

Fee Type and Amount

Fixed Fee - \$46,860

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-3

Task Scope Sheet

Task I-11-PHK-R-031

PHK Airfield Electrical Upgrades

Scope

Project Description

The Palm Beach County Department of Airports (PBCDOA) intends to upgrade the airfield electrical system at Palm Beach County Glades Airport (PHK). RICONDO & ASSOCIATES (CONSULTANT) in conjunction with subconsultants Hillers Electrical Engineering, Inc. (HEE), American Infrastructure Design (AID) shall provide design, permitting, bid, and construction phase services for the project.

This effort will include complete replacement of all direct buried cable(s) & electrical equipment systems for airfield lighting, signage, and Navigational Aids (NAVAIDS). More specifically, this project includes:

- Runway 17-35 edge lighting and signage
- Taxiways A, B, C, D, E, F' edge lighting & Signage,
- NAVAIDS
- Complete VASI systems replaced with new (2) new PAPI systems,
- New LED wind sock,
- Two New REIL Systems,
- New complete airfield cable & conduit, base cans, duct bank systems
- Existing airfield electrical vault modifications.

The following items are included in our scope:

- All design coordination meetings.
- As-build reviews & field verifications and assessment of existing conditions.
- Engineering Design Report reflecting design recommendations for lighting, signage, NAVAIDS and LED lighting options for any runways, taxiways & signage.
- New runway & taxiways lighting electrical plans reflecting all cable & conduit systems, runway & taxiway edge lighting systems installations details & layouts, new homerun runway & taxiways circuit conductors from electrical vault.
- New runway & taxiway signage plans reflecting signage locations per current FAA standards, signage schedule, concrete base, cable & conduit systems and installation details and electrical circuit connections.
- New runway & taxiways CCR Regulator installation in existing airfield lighting vault includes details installation layouts & details for power and control systems.

- Replacement of two complete existing VASI systems with (2) new PAPI Systems, includes all equipment, concrete pad, grounding, power & control systems and new homerun circuits back to vault.
- Two new REIL Systems, includes all equipment, concrete pad, grounding, power & control systems and new homerun circuits back to vault.
- New lighted LED wind sock & concrete base with new homerun circuit.
- HEE shall provide electrical design one-set of reproducibles for 30%, 60%, 90%, 100% reviews and one set of reproducibles for 100 % bid lighting plans and on disk
- HEE shall provide FAA specifications for electrical bid line items and cost estimates.
- R&A to conduct printing of plans & specifications for reviews, bid phases, permits and construction phases to the PHK.
- AID to prepare key sheet, safety plan sheet and Front-end to Specifications.
- Provide bid & award services per Bid Package
- Does not include Construction services.

Items of Work Not Included in Scope

Construction Phase Services
Permitting Fees

Supporting Sub-Consultant

Hillers Electrical Engineering, Inc. (Electrical design, bidding services)
American Infrastructure Development, Inc. (Front end documents, bidding services)

Data & Resources Required From Palm Beach DOA or Other Parties

All base drawing files in AutoCAD 2008 format or newer versions

Deliverables

30 % Design Submittal
60 % Design Submittal
90 % Design Submittal
100 % Construction Documents

All design deliverables will include 1 full-size set, 5 half-size sets and a CD of the plans and front ends/specs

Estimated Duration / Completion Date

Phase 2 – Design Development (30% design):	2 months from NTP
Phase 3A - Contract Documents (60% design):	1 month from Design Development
Phase 3B - Contract Documents (90% design):	1 month from 60% Contract Documents
Phase 3C - 100 % Contract Documents:	2 weeks from 90% Contract Documents
Phase 4 - Bid and Award:	120 days from initial advertisement

Fee Type and Amount

Fixed Fee - \$122,971.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-4

Task Scope Sheet

Task I-11-PBI-R-032

PBI Security Enhancements – Design Phase Services

Scope

At the request of the Palm Beach County Department of Airports (DOA), the R&A Team is nearing completion of an assessment of the existing security systems at PBI. This ongoing effort is being led by Big Sky, Inc., with the assistance of Hillers Electrical Engineering, Inc. and will result in the completion of a security assessment report and development of the following design criteria for the next phase.

- General:
 - Make provisions for all necessary material, equipment, hardware, raceway, cabling, power, labor, testing, decommissioning, training, and warranties for upgrades to the existing security systems and FMS as described herein.
- Upgrade ACX Panels:
 - Create new Access Control VLAN separate from existing FMS network, including redundant servers and network connectivity to the Command Center and Maintenance Building.
 - Provide new FMS/Access Control monitoring workstation at the Maintenance Building with dual network interface cards (NIC) for monitoring of access control system and FMS from a single workstation. Provide necessary software.
 - Remove existing ACX 781 panels and replace with ACX 5740 controllers with expansion modules and power supplies.
 - Provide network switches in equipment rooms and a media converter at the East Gate and integrate the ACX 5740 controllers into the Access Control network.
 - Survey IDX 810 panels to determine which have security functions.
 - Remove security connections from IDX panels and place on ACX 5740 controllers.
- Upgrade IDX Panels & Separate Switchgear/Lighting
 - Survey existing IDX 810 panels used for circuit breaker and lighting contactor I/O control/monitoring to determine quantity of new panels to be provided.
 - Remove existing IDX 810 panels and replace with "Infinet II" i2 800-series panels with power supplies.
 - Replace existing 9900 net controllers with "NetController II" Central Processing Unit (CPU) modules.
 - Provide network switches where required to integrate the net controllers into the FMS network.
- Replace BACnet with ONYXWorks:
 - Provide workstations loaded with ONYXWorks software at the Comm Center and Maintenance Building and connect to the Fire Alarm System. Configure database for recordkeeping of fire alarms.

- Disconnect the BACnet boards and remove from the fire panel in the Telephone Room.
- Security Door Modifications:
 - Document work completed by Maintenance to include disconnecting existing hinge switches, adding new magnetic contact switches and removing security from mechanical room doors on the ramp.
 - Survey existing access controlled doors, including CBP areas, and document hardware.
 - Perform code review of designated fire egress doors to coordinate door hardware.
 - Design modifications to existing door hardware as listed in the Survey Report.
 - Create door schedules identifying doors, locations and hardware to be added, removed or replaced.
- Repair/Replace Doors:
 - Identify doors on the plans and schedule to be repaired, replaced or added.
 - List hardware modifications in the door schedule.
- Electrical - Equipment Rooms:
 - Provide new circuit breakers in the existing panelboards with new conduit and conductor systems for card access and CCTV equipment in the required rooms that have available emergency power.
 - Provide emergency circuits for card access and CCTV equipment in rooms with no available emergency power from electrical rooms in close proximity that contain emergency power, new circuit breakers in the existing panelboards, and new conduit and conductor systems.
 - Upgrade the existing emergency distribution to increase capacity in Electrical Room C166.
- Interface ACS with CCTV:
 - Develop interface requirements between the Continuum Access Control System and the Omnicast Network Video Management System for automatic cue-up of cameras in the event of a security alarm.
 - List criteria in the camera schedule to program preset and home positions into the Omnicast system as part of the project. Make provisions for necessary server and workstation software.
- Time Delayed Panic Hardware:
 - Replace existing door hardware with NFPA-approved, UL-listed time delayed panic hardware at all 33 fire egress doors that are access controlled.
 - Provide fire alarm interfaces.
- Replace Card Readers:
 - Replace all existing card readers with contactless smart card readers with integrated keypads.
 - Replace all existing ID badges with smart cards.
 - Provide new badge printers that print directly to the card.
 - Develop an architectural solution to cover the large holes behind the Plexiglas® panels.
- Add/Delete Cameras:
 - Provide video surveillance at doors T-112, T-152, T-175, A-121, vehicle gate CPE2 and pedestrian gate P-2.
 - Assess perimeter vehicle gate cameras and relocate as necessary.
 - Determine possible video transmission options for vehicle gate V-24, south side FBO ramps and the service road between FBOs.

- Demolish 3 existing wireless cameras and associated antennas.
- Include necessary licensing for new cameras.
- Make provisions for camera power supplies and electrical service.
- Recreate FMS Graphic Maps:
 - Utilize latest AutoCAD background files to produce new graphic maps for the FMS, indicating access controlled doors and cameras.
- Upgrade Analog Cameras to IP-Addressable:
 - Replace analog Vicon cameras with IP-addressable cameras (15 total) as indicated in Appendix B of the survey report.
- Electrical - Comm Center:
 - Provide new circuit breakers in the existing panelboards with new conduit and conductor systems for card access and CCTV equipment in the Data Room, IT server Room and Comm Center.
- Replace Manual Vehicular Gate with Automated Gate at Vehicular Checkpoint #1

This scope of services describes the design services to be provided by the R&A Team during subsequent Phases 2 through 4. The design services associated with this project is further described in the following pages.

PHASE 2 - DESIGN DEVELOPMENT (30% DESIGN)

Following Program Verification approval and upon receipt of the COUNTY Representative's written authorization to initiate Phase 2, the CONSULTANT shall prepare Design Development Documents which clearly define the engineering and/or architectural elements of the Project. Design Development may proceed concurrently with exploratory investigations and an engineering survey, if required.

- A) The Design Development Documents shall consist of and further define:
 - 1. Schematic architectural layout
 - 2. Schematic floor plans and elevations
 - 3. Update construction schedule
 - 4. Outline specifications
 - 5. Other major engineering elements and architectural elements to the degree required to provide a complete understanding of the elements of the Design Project, the CONSULTANT proposed design treatment of these elements and the development of probable Project Budget Costs for construction.

- B) The Plans to be provided for the Design Development review submittal shall include, but are not limited to:
 - 1. Cover Sheet
 - 2. Project Area Plan
 - 3. Project Key Sheet or Reference Sheet
 - 4. Site Location Plan
 - 5. Architectural Plans with System Layout (Concept)
 - 6. Electrical Plans
 - 7. Block Diagrams
 - 8. Door Schedules
 - 9. Camera Schedules

Design Development Layout and Location Plans should be the same scale as intended for the Construction Documents set. Plans should be sufficiently detailed to convey the CONSULTANT'S design intentions and to confirm the feasibility of space arrangements. Precise dimensioning and specific detailing may be omitted in this Phase.

The CONSULTANT shall prepare and submit an Engineer's Design Report covering all findings and recommendations developed throughout the Design Development Stage including an estimate of probable Project Budget Costs for Construction.

The CONSULTANT jointly with the COUNTY Representative, to the extent applicable based on changes and/or modifications affected during the Design Development Phase, shall review pertinent Documents with the Agencies and Authorities previously consulted in Phase 1 having permitting or other approval Authority with respect to the Project, in order to obtain any changes in the comments and judgment of such agencies. Any further changes and/or modifications that were jointly agreed upon must be addressed by the CONSULTANT and the necessary inclusions made to the Contract Documents in Phase 2, as applicable.

The CONSULTANT shall submit eight (8) copies of all Documents required under this Phase 2 for review comments and approval by the COUNTY. The CONSULTANT shall not proceed with the following Phase 3 - Contract Documents until the Design Development has been reviewed and approved by the COUNTY Representative; the interested Department of Airports Divisions; and written approval with appropriate comments is received from the COUNTY and approval has been issued to initiate the Contract Documents 60% Submittal Phase.

PHASE 3 – CONTRACT DOCUMENTS

PHASE 3A - CONTRACT DOCUMENTS (60% DESIGN)

Following Design Development approval and upon receipt from the COUNTY Representative of written authorization to initiate Contract Documents, the CONSULTANT will develop 60% Complete Contract Documents from the approved Design Development Documents. The 60% Complete Contract Documents will include the design drawing sheets outlined for the design development (30% Design completion) phase with greater detail reflecting the progressing level of design completion.

Therefore, 60% Complete Contract Documents may include (as applicable) the following work elements:

1. Updated Cover Sheet
2. Updated Project Area Plan
3. Updated Reference Sheet
4. Updated Site Plan with Buried Conduits
5. Updated Architectural Plans with System Layout
6. Updated Electrical Plans
7. Updated Block Diagrams
8. Riser Diagrams
9. Cabling Interconnect Diagrams
10. Equipment Room Layouts
11. Updated Door Schedules

12. Updated Camera Schedules
13. Graphic Maps
14. Details and Sections of miscellaneous items
15. Draft Technical Specifications
16. Updated Project Construction Cost Estimate

The CONSULTANT shall prepare and submit an Engineer's Design Report covering all findings and recommendations developed throughout the 60% Design Stage including an estimate of probable Project Budget Costs for Construction and draft Construction Schedule.

The CONSULTANT will submit eight (8) copies of all Contract Documents prepared under this phase of the design effort for review comments and approval by the COUNTY. The CONSULTANT will also meet with the DOA to review the 60% Contract Documents.

PHASE 3B - CONTRACT DOCUMENTS (90% DESIGN)

The CONSULTANT will develop 90% Complete Contract Documents from the approved Documents produced as part of the 60% design submittal. The 90% Complete Contract Documents may include (as applicable) the following work elements:

1. Pre-Final Plans from previous submittal(s), as applicable
2. Complete Sections and Details
3. Complete Documents ready for Bidding and Permitting
4. Complete Contract Specifications ready to be printed for issuance to Bidders
5. Pre-Final Project CONSULTANT'S Cost Estimate
6. Completed Construction Schedule
7. Updated Project Construction Cost Estimate

The CONSULTANT shall prepare and submit an Engineer's Design Report covering all findings and recommendations developed throughout the 90% Design Stage including an estimate of probable Project Budget Costs for Construction and Construction Schedule.

The CONSULTANT will submit eight (8) copies of all Contract Documents prepared under this phase of the design effort for review comments and approval by the COUNTY. The CONSULTANT will also meet with the DOA to review the 90% Contract Documents.

PHASE 3C-CONTRACT DOCUMENTS (100% DESIGN)

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

If any further change(s) in the size and scope of the Project has occurred, which will substantially alter the amount of previous Construction Cost Estimates, then such changes should be addressed in a written report prepared by the CONSULTANT to the COUNTY Representative.

The CONSULTANT will provide signed and sealed plans for the COUNTY to use to file for a building permit at the earliest practicable time during the performance of the Design Services, provide the necessary portions of the Contract Documents for approval by COUNTY, FDOT and/or FAA, and assist in obtaining any such applicable certifications of "permit approval" by such authorities prior to approval by the COUNTY. The CONSULTANT shall incorporate all dates into the Advertisement and Instructions to Bidders, DBE requirements, and FAA labor provisions (if AIP funded) filled in and issue the Contract Documents ready to be printed and distributed to prospective Bidders.

The CONSULTANT shall recommend and justify to COUNTY any Allowance Account amounts to be incorporated into the Contract Documents.

In providing opinions of probable construction costs, the COUNTY understands that the CONSULTANT has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of the CONSULTANT'S qualifications and experience. The CONSULTANT makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

PHASE 4 - BIDDING AND AWARD OF CONTRACT

After authorization to proceed with the Bidding Phase, CONSULTANT will assist the COUNTY in advertising for and obtaining bids for a single contract for construction, materials, equipment and services (containing separate bid schedules for each of the three airports); and, where applicable, maintain a record of prospective bidders to whom Bidding Documents have been issued, and receive and process deposits for Bidding Documents; assist the COUNTY in conducting a pre-bid conference to share pertinent bidding and technical information and requirements with prospective bidders; issue addenda as appropriate to interpret, clarify or expand the Bidding Documents; print and distribute sets of Bidding Documents to Prospective Bidders and plan offices (Dodge and AGC) during the Bidding phase; and attend the bid opening, prepare bid tabulation sheets and assist COUNTY in evaluating bids or proposals and in assembling and awarding contracts for construction, materials, equipment and services.

Special Services:

None

Items of Work Not Included in Scope

- Construction administration and resident construction inspection services on the site during the project construction
- Disconnecting hinge switches
- Removing security devices from mechanical room doors on the ramp
- Replacing cameras at concourse circulation corridors or fire egress doors
- Creating vestibules in baggage claim
- Developing provisions for an Incident Management Center
- Developing electrical provisions for SIDA Training Room
- Designing a redundant outdoor fiber optic network/ductbank
- Making Provisions for additional TSA video surveillance
- Designing security for outbound BHS conveyor belts

Supporting Sub-Consultant

Big Sky Incorporated – Security Systems
Hillers Electrical Engineering, Inc. – Electrical Engineering and Power Distribution

Data & Resources Required From Palm Beach DOA or Other Parties

AutoCAD files of the new FAA Tower site plan
Assistance from maintenance personnel familiar with the FMS
Latest CCTV Camera list
Latest IDX panels wiring configuration

Deliverables

60% submittal drawings, draft technical specifications, cost estimate and Engineer's Report
90% submittal drawings, specifications, cost estimate and Engineer's Report
100% submittal drawings and specifications

All design deliverables will include 1 full-size set, 5 half-size sets and a CD of the plans and front ends/specs

Estimated Duration / Completion Date

Phase 2 – Design Development (30% design):	4 months from NTP
Phase 3A - Contract Documents (60% design):	3 months from Design Development
Phase 3B - Contract Documents (90% design):	1 month from 60% Contract Documents
Phase 3C - 100 % Contract Documents:	3 weeks from 90% Contract Documents
Phase 4 - Bid and Award:	120 days from initial advertisement

Fee Type and Amount

Lump Sum: \$521,217

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-5

Task Scope Sheet

Task I-11-PBI-R-033	PBI Roof Leak Investigation Recommendations (Concourse C Security Checkpoint)
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Scope

The DOA has requested the consultant to review the potential source of water infiltration at the Concourse "C" Security area at Level Two of the PBIA Terminal Facility. A preliminary review of the existing conditions has been provided relative to the establishment of an anticipated procedure and determination of services to be provided by the consultant and specialty sub-consultants as outlined herein.

1. Review of Existing Conditions

- 1.1 Physical examination of roof and ceiling areas and conditions at location of apparent water infiltration.
- 1.2 Review of existing record drawings and documents related to the terminal construction and renovations and/or modifications that have been performed at the subject area. Review and photograph affected structural members and details at subject areas.
- 1.3 Coordinate with DOA staff the proposed procedure for investigative analysis and advise as to materials and equipment required to provide the proposed remediation.
- 1.4 Review previous LPA Group roof leak investigation.

Assumptions and General Comments:

It is assumed that the intentions of the DOA are to repair existing conditions, not remove and replace major items. For instance, if the DOA determines to replace the existing cooling towers and a new support platform is required, that is not part of this scope. If the DOA decides to remove and replace the louvered screen wall, that is not part of this scope.

If the structural repairs become significant, it may be necessary to increase on-site inspections during the repair work and to provide a final inspection at the completion.

Items of Work Not Included in Scope

- Preparation of Construction Documents
- Bidding and Construction Administration Services
- Providing materials and equipment required to conduct the aforementioned flood test and material required to repair and to temporarily restore constructed conditions at the area of the test until such time as the actual project commences; DOA and their selected Contractor to facilitate the access, selective demolition and repair
- Design services associated with the replacement of the cooling towers and associated structures

- Cost estimating for budgetary purposes

Supporting Sub-Consultants

- Schenkel-Shultz
- TKW Consulting Engineers

Data & Resources Required From Palm Beach DOA or Other Parties

TBD

Deliverables

Proposed Scope of Services for Investigation

Estimated Duration / Completion Date

45 days from Notice-to-Proceed

Fee Type and Amount

Fixed Fee: \$5,945

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-6

Task Scope Sheet

Task I-11-PBI-R-034

PBI Terminal Air Handler Replacement Options Analysis

Scope

On behalf of the Palm Beach County Department of Airports (DOA), the R&A Team recently completed a Chiller Replacement Study for the passenger terminal facility at the Palm Beach International Airport (PBI). Upon completion of the study, the DOA requested that the R&A Team proceed with design phase services to replace the chillers and associated cooling towers at PBI. Although not considered in the original Chiller Replacement Study, the DOA also requested that the R&A Team incorporate the replacement of the terminal's air handler units (AHUs) into the design as well.

During the development of the work plan for the subsequent design phase services, the RA& Team conducted site visits to assess the existing AHUs and identify the appropriate means for replacement. It was determined that the Concourse B existing AHUs posed unique challenges due to their placement in equipment rooms with no opportunity to replace the equipment in place without significant modifications to the building structure and extended outages. Given the constraints of the equipment rooms, the R&A Team has determined that a formal study be conducted to evaluate various options for replacement of the AHUs, to guide the DOA in selecting the most viable method for replacement.

The following scope of services outlines the various tasks that would be performed during the AHU Replacement Options Analysis for the PBI terminal facility. Based on initial analyses conducted by the R&A Team, the following AHU replacement options will be considered during this effort:

1. Install within the existing AHU mechanical rooms
2. Roof installation
3. Ramp installation

In addition, In addition, several AHUs have been identified for replacement in the main terminal. While this replacement is more straightforward it will require removal and reinstallation of block walls as well as coordination with equipment which is to remain but in the path of replacement. There also appears to be opportunities to change the type of unit to increase energy efficiency while providing better control of space temperature and humidity at part-load conditions. The R&A team will determine which walls would require removal, the sequence of replacement to minimize outages and recommend the type/configuration of the replacement equipment.

The architectural and structural design services prescribed herein will be conducted by Colome and Associates, Inc. (C&A) and Master Consulting Engineers, Inc. (MCE), respectively. The mechanical/plumbing design elements will be conducted by JLRD, while Hillers will perform all electrical related design.

Task Management and Administration (Task 1)

Throughout the duration of the study, various activities associated with the management of the Study team will occur. The activities include: contract management and coordination with the various subconsultants.

Work Element 1.1 – Contract Management (R&A)

This includes all efforts associated with coordinating this project with the DOA including meetings organization, progress reporting, and invoicing.

Work Element 1.2 – Sub-consultant Coordination (R&A/JLRD)

Due to the variety of consultants working on this effort, R&A and JLRD will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

AHU System Requirements (Task 2)

This effort will involve the initial site investigations and data collection necessary to establish the minimum equipment requirements for each of the AHUs. This is necessary to identify the critical design criteria for the new equipment as it relates to facility impacts.

Work Element 2.1 – Initial Site visits / DOA Coordination (JLRD)

JLRD will meet with DOA Maintenance personnel to inspect each of the AHUs and discuss the operational issues. JLRD will assess the existing conditions of each typical AHU as it relates to replacement and impact to on-going operation/outages.

Work Element 2.2 – Data Collection (JLRD)

This will include the collection and assembly of all HVAC related basemap/as-built drawings to review the as-installed conditions with the as-builts.

Work Element 2.3 – AHU Equipment Requirements (JLRD)

For Concourse B, JLRD will perform a load calculation for a typical unit to evaluate the replacement unit airflow requirements and impact upon unit size. Outside air requirements will be evaluated to determine the impact of compliance with the current ASHRAE Standard 62, overall mass balance and impact upon building pressurization. The unit configuration and type will also be evaluated to explore more energy efficient solutions that provide improved comfort levels at part-load conditions.

For the Terminal AHU's load calculations, outside air requirements and mass balance calculations will **not** be performed for this study, but will be done as part of the replacement design.

AHU Replacement Alternatives (Task 3)

Throughout the duration of the study, various activities associated with the management of the Study team will occur. The activities include: contract management and coordination with the various subconsultants.

Work Element 3.1 – Identification of Alternatives (JLRD)

The unit configuration and type will be evaluated to explore more energy efficient solutions that provide improved comfort levels at part-load conditions. In relation to energy efficiency, unit options will be ranked comparatively. Detailed computer modeling/life cycle costing will **not** be performed. Unit features impacting maintenance and redundancy will be identified.

Work Element 3.2 – Alternatives Evaluation (JLRD/HEE/Colome/MCE)

For Concourse B, implementation at the three locations noted above will be evaluated based on existing conditions/capabilities, replacement logistics, outage duration and relative cost. Terminal AHU's will be evaluated based on relative energy usage (ability to minimize energy consumption during low occupancy and at night) and ability to provide comfortable conditions at part load.

Work Element 3.3 – DOA Review Meeting (JLRD/HEE/Colome/MCE)

JLRD will present the concepts studied and their recommendations at a review meeting to be held at PBIA. Meeting notes will be prepared by JLRD capturing the significant items discussed and agreed to at the meeting.

Documentation (Task 4)

The AHU replacement options will be detailed and summarized in the form of a technical memorandum. A Draft of the technical memorandum will be submitted to the DOA for review and comment. Upon receiving comments from the DOA, the technical memorandum will be revised and resubmitted in final format. Both the Draft and Final technical memorandums will be submitted in portable document file (PDF) format.

Items of Work Not Included in Scope

Design phase services
Outside air requirements and mass balance calculations
Detailed computer modeling and life cycle costing

Supporting Sub-Consultant

Johnson, Levinson, Ragan, Davila, Inc. – mechanical (AHU) systems
Hillers Electrical Engineering, Inc. - airfield lighting and signage design
Master Consulting Engineers, Inc. – building/structural modifications
Colome & Associates, Inc. – building modifications

Data & Resources Required From Palm Beach DOA or Other Parties

TBD

Deliverables

Technical Memorandum
Rough order of magnitude cost estimate

Estimated Duration / Completion Date

Six weeks from the Notice to Proceed

Fee Type and Amount

Time & Materials - \$35,000

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-7

Task Scope Sheet

Task I-11-PHK-R-035 PHK Apron Pavement Rehabilitation Design

Scope

Project Description

The Palm Beach County Department of Airports (DOA) intends to rehabilitate various portions of the existing asphalt pavement at Palm Beach County Glades Airport (PHK). RICONDO & ASSOCIATES (CONSULTANT) in conjunction with subconsultants BND Engineers, American Infrastructure Development, Inc. Brown & Phillips, and Tierra of South Florida shall provide design, permitting, bid, and construction phase services for the project.

This work will generally consist of the milling and overlay of approximately 180,000 square feet of existing asphalt concrete (AC) pavement. This work will be accomplished for Sections 4105, 4110, 4115 and 4120 as described in the recent Pavement Evaluation Report conducted by FDOT and shown on the attached Exhibit.

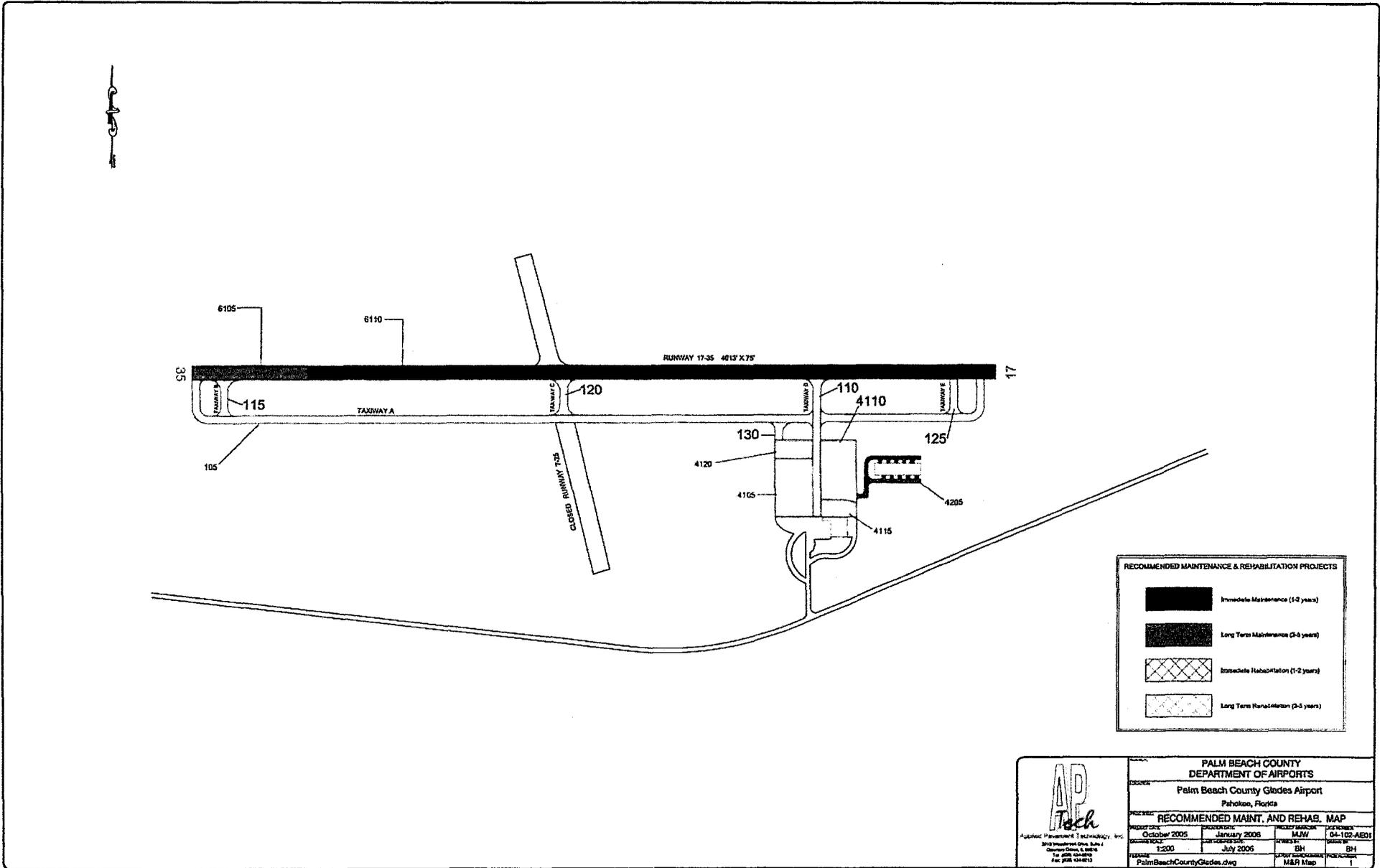
The CONSULTANT will perform the following tasks under this Assignment:

1. Provide administration and coordination for the design and bid services including meetings attended by the project manager and engineers and general day to day project related administrative tasks. Coordination and exchange of project related information with DOA staff and CONSULTANTS who are a part of the design team is included in this task.
2. Conduct topographic field surveys to obtain existing pavement grades which will be utilized to design the proposed pavement profile and cross sections. The topographic survey will establish/utilize survey control, locate all existing physical features within the project limits, including pavement limits, taxiway alignments, pavement markings, drainage structures, edge lighting, signage, and other utilities, and assign spot elevations as part of the process. Spot elevations will be set on a 25-foot grid and existing contours will be generated at one-tenth per foot (0.1 ft) intervals for the base plans. In addition, the survey will identify the proposed pavement cores and geotechnical boring locations. Existing topographic surveys obtained during previous projects will also be utilized to obtain existing pavement geometrics.
3. Conduct pavement coring and geotechnical boring and sampling to determine depth and condition of the existing AC pavement in accordance with FAA procedures. The boring and coring depths will be determined based on the project's historical information of recent subsurface exploration in the same area. As a minimum, depths of boring extractions will be at least 10 feet below the final grade. California Bearing

Ratio (CBR) samples will be taken to determine subgrade bearing characteristics. All subsurface investigation information and laboratory test results will be compiled and presented as part of the final engineer's report. The report will also contain recommendations on soil-related requirements and recommendations to determine the pavement design. The geotechnical report will provide the results of all field testing, boring logs, and laboratory results.

4. Perform a field check of the existing site conditions to verify accuracy of data obtained through surveys and any additional information provided by the DOA.
5. Design the pavement rehabilitation of approximately 180,000 square yards of the existing terminal apron. The rehabilitation will generally consist of 1-2" milling; cleaning, repairing, and sealing existing cracks in the pavement surface; 2" overlay of P-401 bituminous pavement; and painting apron and taxiway markings. Design of the pavement grades will be based on the design guidelines included in FAA Advisory Circular 150/5300-13.
6. Plans for this Project will generally include a scope of work, survey control plan, safety and phasing plans and notes, estimate of quantities, typical cross sections, pavement plan and profiles, appropriate construction detail sheets, and cross sections. Spot elevations will be provided when pavement grades are not covered by typical cross sections or additional detail is needed to ensure proper drainage. Known utilities will be shown on the drawings. All contract documents will be prepared in AutoCAD 2009 platform and Microsoft Word. All drawings will be in accordance with the DOA CAD/GIS Standards. The technical specifications will be in accordance with FAA Standard format.
7. Prepare all civil calculations, quantity calculations, and estimates of probable construction costs for all of the work elements.
8. CONSULTANT will prepare an Engineer's Report including all design elements associated with the Airfield Rehabilitation Project for submittal to the DOA, FDOT and FAA offices at the completion of the design.
9. Prepare technical construction specifications in accordance with FAA Advisory Circular 150/5370-10C. Additional supplemental Technical Specifications will be prepared as required to address special conditions.
10. Provide 10 sets of full-size construction plans and itemized statements of probable construction costs for the design work at 60% completion for review by the DOA.
11. Attend a design review meeting at the completion of the DOA's review of the 60% submittal. CONSULTANT will prepare and submit minutes of this meeting as they pertain to the CONSULTANT scope of work. The DOA's review comments will be incorporated into the construction plans and specifications.
12. Attend the pre-application meetings with SFWMD and the DOA to initiate the permitting process.

INSERT PAHOKEE PAVEMENT EXHIBIT



RECOMMENDED MAINTENANCE & REHABILITATION PROJECTS

	Immediate Maintenance (1-2 years)
	Long Term Maintenance (3-5 years)
	Immediate Rehabilitation (1-2 years)
	Long Term Rehabilitation (3-5 years)

 <small>Approved Professional Technical Services, Inc. 3918 International Drive, Suite 101 Deltona, Florida 32725 Tel: 407-255-4444 Fax: 407-255-4443</small>	PALM BEACH COUNTY			
	DEPARTMENT OF AIRPORTS			
	Palm Beach County Glades Airport Pahokee, Florida			
	RECOMMENDED MAINT. AND REHAB. MAP			
PROJECT DATE	PROJECT DATE	PROJECT MANAGER	PROJECT NUMBER	
October 2005	January 2006	MJM	04-102-AE01	
SCALE	DATE	BY	CHECKED	
1:200	July 2006	BH	BH	
FILE NAME	PROJECT NUMBER	PROJECT NAME	PROJECT DATE	
PalmBeachCountyGlades.dwg		M&R Map	1	

13. Provide 10 sets of full-size construction plans, specifications and itemized statements of probable construction costs for the design work at 90% completion for review by the DOA.
14. Attend a design review meeting at the completion of the DOA's review of the 90% submittal. CONSULTANT will prepare and submit minutes of this meeting as they pertain to the CONSULTANT scope of work. The DOA's review comments will be incorporated into the construction plans and specifications.
15. Prepare the 100% complete construction plans and specifications to the DOA for bidding. The plans and specifications will be provided in pdf format to the DOA on a CD before the advertisement of bidding. The contract documents will be printed and distributed by the DOA.
16. Advise the DOA of any adjustments to the statement of probable construction costs for the project caused by changes in scope, design requirements, or construction costs; and furnish a revised itemized statement of probable construction costs for the project based on 100% complete drawings and specifications.

The work will be divided into the following Phases:

PHASE 3 – CONTRACT DOCUMENTS

PHASE 3A - CONTRACT DOCUMENTS (60% DESIGN)

The CONSULTANT shall perform the following tasks under Phase 3A:

1. Attend a project kick-off meeting with DOA and relevant project team members.
2. Perform a field check of the existing site conditions to verify accuracy of record data and any additional information provided by the DOA.
3. Review Pavement Evaluation Report prepared by FDOT.
4. Develop a schematic design for the pavement rehabilitation of approximately 180,000 square feet of the existing terminal apron. The rehabilitation will generally consist of 1-2" milling; cleaning, repairing, and sealing existing cracks in the pavement surface; 2" overlay of P-401 bituminous pavement; and painting apron and taxiway markings.
5. Review existing project construction cost estimate and update the estimate based on available information.
6. Design of the pavement grades will be based the design guidelines included in the most current edition of FAA Advisory Circular 150/5300-13. The design will not include geometric improvements or safety area grading improvements.

7. Design and coordinate the Safety and Phasing plans with the DOA and the FAA. These plans will also include all required 7460 information. CONSULTANT will also prepare and submit the 7460 filing information, in the FAA's electronic filing format, on behalf of the DOA. The Safety and Phasing plans will be developed in accordance with FAA Advisory Circular 150/5370-2E. This task also includes revising the plans to include any comments provided by the FAA during their review process. The Safety and Phasing Plans will be submitted along with the required forms to the DOA for approval and submittal to the FAA after the 60% Design Phase. Prepare, if necessary, the CATEX forms required for the FAA for compliance with NEPA regulations. If more than a CATEX form is required (e.g. environmental assessment, noise modeling, air quality analysis, or other targeted environmental analysis not typically included in a CATEX application), a supplemental scope of work, budget, and task order will be required.
8. Provide administration and coordination for the design services including meetings attended by the project manager and engineers and general day to day project related administrative tasks. Coordination and exchange of project related information with DOA staff and CONSULTANTS who are a part of the design team is included in this task.
9. Conduct topographic field surveys to obtain existing pavement grades which will be utilized to design the proposed pavement profile and cross sections. The topographic survey will establish/utilize survey control, locate significant existing physical features within the project limits, including pavement limits, taxiway and taxilane limits, pavement markings, drainage structures, edge lighting, signage, and other utilities, and assign spot elevations as part of the process. Spot elevations will be set on a 25-foot grid and existing contours will be generated at one-tenth per foot (0.1 ft) intervals for the base plans. In addition, the survey will establish the proposed pavement cores and geotechnical boring locations. Existing topographic surveys obtained during previous projects will also be utilized to obtain existing pavement geometrics.
10. Conduct pavement coring and geotechnical boring and sampling to determine depth and condition of the existing asphalt concrete (AC) pavements in accordance with FAA procedures. The boring and coring depths will be determined based on the project's historical information of recent subsurface exploration in the same area. At a minimum, depths of boring extractions will be at least 10 feet below the final grade. California Bearing Ratio (CBR) samples will be taken to determine subgrade bearing characteristics. All subsurface investigation information and laboratory test results will be compiled and presented as part of the final engineer's report. The report will also contain recommendations on soil-related requirements and recommendations to determine the pavement design. The geotechnical report will provide the results of all field testing, boring logs, and laboratory results.
11. Perform a field check of the existing site conditions to verify accuracy of data obtained through surveys, soil borings, and any additional information provided by the DOA.
12. Prepare 60% Plans for this project that will generally include the following:
 - Cover Sheet
 - Project Quantity Sheet
 - General Notes
 - Project Key Sheet
 - Project Layout Plan
 - Safety and Phasing Plan(s)

- Demolition Plan(s)
 - Pavement Geometry Plan(s)
 - Typical Sections
 - Grading and Drainage Plans
 - Stormwater Pollution Prevention Plan (SWPPP)
13. Spot elevations will be provided when pavement grades are not covered by typical cross sections or additional detail is needed to ensure proper drainage. Known utilities will be shown on the drawings.
 14. Prepare 60% technical construction specifications. Additional supplemental Technical Specifications will be prepared as required to address special conditions.
 15. Prepare a 60% Engineer's Report including all design elements associated with the Airfield Rehabilitation Project for submittal to the DOA, FDOT and FAA offices at the completion of the design.
 16. Prepare a 60% construction cost estimate
 17. Attend a design review meeting at the completion of the DOA's review of the 60% submittal. CONSULTANT will prepare and submit minutes of this meeting as they pertain to the CONSULTANT scope of work. The DOA's review comments will be incorporated into the construction plans and specifications.

Deliverables: Topographic Survey and Geotechnical Investigation, One (1) full-size set of the 60% Plans, five (5) half-size sets of the 60% Plans, six (6) copies of the 60% cost estimate, six (6) copies of the 60% Engineer's Report, six (6) copies of the outline of the 60% technical specifications.

PHASE 3B - CONSTRUCTION DOCUMENTS (90% DESIGN)

The SUB-CONSULTANT shall perform the following tasks under Phase 3B:

1. Prepare 90% Plans for this project that will generally include the following:
 - Cover Sheet
 - Project Quantity Sheet
 - General Notes
 - Project Key Sheet
 - Project Layout Plan
 - Safety and Phasing Plan(s)
 - Demolition Plan(s)
 - Pavement Geometry Plan(s)
 - Typical Sections
 - Grading and Drainage Plans
2. Spot elevations will be provided when pavement grades are not covered by typical cross sections or additional detail is needed to ensure proper drainage. Known utilities will be shown on the drawings.
3. Prepare 90% Contract Specification including technical construction specifications. Additional supplemental Technical Specifications will be prepared as required to address special conditions. The administrative, commercial (e.g. insurance, bonds, etc.) and

regulatory requirements are typically summarized in the front-end contract documents (i.e., Instruction to Bidders, Bid Forms, General Conditions, Special Conditions, etc.). It is assumed that these documents will be provided by the DOA. The SUB-CONSULTANT will review the COUNTY'S contract documents and make the appropriate revisions to each of the sections based on the scope and performance requirements unique to this project, including specific project requirements, schedule information, and liquidated damages and terms for non-performance.

4. Prepare a 90% Engineer's Report including all design elements associated with the Airfield Rehabilitation Project for submittal to the DOA, FDOT and FAA offices at the completion of the design.
5. Prepare a 90% construction cost estimate
6. Attend a design review meeting at the completion of the DOA's review of the 90% submittal. CONSULTANT will prepare and submit minutes of this meeting as they pertain to the CONSULTANT scope of work. The DOA's review comments will be incorporated into the construction plans and specifications.

Deliverables: One (1) full-size set of the 90% Plans, five (5) half-size sets of the 90% Plans, six (6) copies of the 90% cost estimate, six (6) copies of the 90% Engineer's Report, six (6) copies of the outline of the 90% Contract Specifications.

PHASE 3C-CONSTRUCTION DOCUMENTS (100% DESIGN)

The CONSULTANT will perform the following tasks under Phase 3C:

1. Address changes requested by DOA at the 90% review meeting.
2. Prepare the 100% complete Construction Documents for bidding. The plans and specifications will be provided in pdf format to the DOA on a CD before the advertisement of bidding. The Engineer's Report will also accompany this 100% complete document's submittal.
3. Advise the DOA of any adjustments to the final statement of probable construction costs for the project caused by changes in scope, design requirements, or construction costs; and furnish a revised final itemized statement of probable construction costs for the project based on 100% complete drawings and specifications.

Deliverables: One (1) full-size set of the 100% Plans, nine (9) half-size sets of the 100% Plans, ten (10) copies of the 100% cost estimate, ten (10) copies of the 100% Engineer's Report, ten (10) copies of the outline of the 100% Contract Specifications.

PHASE 4 - BIDDING AND AWARD OF CONTRACT

The CONSULTANT will perform the following tasks under Phase 4:

1. Assist the DOA in advertising for and obtaining bids for construction.
2. Print and distribute sets of Bidding Documents, which includes all modifications, to Prospective Bidders and plan offices. The CONSULTANT shall maintain a record of prospective bidders to whom Bidding Documents have been issued, and receive and process

fees for the Bidding Documents.

3. Respond to bidder's written questions and provide assistance to the DOA during the bid phase of the project designed by CONSULTANT.
4. Attend the pre-bid meeting to address issues related to the work designed by CONSULTANT. The CONSULTANT shall prepare pre-bid meeting minutes for distribution to the attending parties.
5. Prepare necessary addenda for CONSULTANT prepared plans and specifications and distribute addenda to the registered plan holders.
6. Review the bids associated with the CONSULTANT designed work for errors in addition and/or extensions of unit prices prepare bid tabulations and make recommendations for awarding the contract within 48 hours of the bid opening.

Deliverables: Bid Tabulation and Engineer's Review of Bids, Recommendation of Award

PHASE 5 - CONSTRUCTION ADMINISTRATION

The CONSULTANT shall perform the following tasks under Phase 5:

1. Prepare One (1) CD and 20 sets of "Conformed" plans and specifications which include all modifications resulting from bid phase addenda.
2. Attend the pre-construction meeting to address issues related to the project.
3. Review contractor's shop drawings, certifications, and test results for compliance with the construction documents.
4. Review and approve the contractor's monthly application for payment.
5. Respond to contractor's Requests for Information (RFI's).
6. Provide design consultation for changes in site conditions.
7. Prepare Project Bulletins to address design changes, RFI's and project change orders as may be required.
8. Prepare an ongoing log for RFI's and an ongoing submittal log.
9. Provide up to four (4) periodic site inspection visits as needed to address issues related to the designs if issues cannot be addressed via telephone calls and/or emails.
10. Participate in the substantial completion inspection and the final inspection.
11. Prepare record of final quantities and provide "Record" drawings on AutoCAD Release 2008 based on redline drawings supplied by the Contractor(s). The "Record" drawings will be provided to the DOA within 30 calendar days of receipt of the redline drawings. The "Record" drawings will be provided in pdf format on two CD's and one (1) full-size set of drawings.

Deliverables: One (1) CD with Conformed Contract Documents, twenty (20) Sets of Conformed Plans, two (2) CDs with "Record" Drawings, one (1) full size set of "Record" Drawings

Special Services:

- Completion/submission of Airspace Checklists to FAA
- Limited Allowance for Quality Assurance Testing during construction (supplemental funds for these services may be required once the extent of construction – in terms of scope and schedule duration – is better defined).

Items of Work Not Included in Scope

Additional Geotechnical Services or Non-destructive testing
Edge lighting and electrical improvements
Costs associated with the publishing of public advertisements for construction bids
Construction Administration and Inspection Services
Materials Testing During Construction

Supporting Sub-Consultant

BND Engineers – Civil Engineering
American Infrastructure Development, Inc. – Design Oversight & Front End Documents
Tierra of South Florida – Geotechnical Investigation (Allowance)
Brown & Phillips – Topographic Survey

Data & Resources Required From Palm Beach DOA or Other Parties

As-built drawings for the project area
Base Maps (ideally, photogrammetric files) for use in design
COUNTY'S approved front-end contract documents
Copies of bids received in order to evaluate prices

Deliverables

60% Design Plans:
90% Design Plans and Specifications:
100% Construction Plans and Specifications:
Conformed sets of Plans and Specifications
"Record" drawings

All design deliverables will include 1 full-size set, 5 half-size sets and a CD of the plans and front ends/specs

Estimated Duration / Completion Date from Notice to Proceed (NTP)

Topographic Survey	30 days
Geotechnical	30 days
60% Design Due:	90 days
60% Design Review Meeting:	100 days (Estimated)
90% Design Due:	130 days
90% Design Review Meeting:	140 days (Estimated)
100% Design Due:	160 days
Bid Advertisement	TBD
Pre-bid Meeting:	TBD
Bid Opening:	TBD

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-8

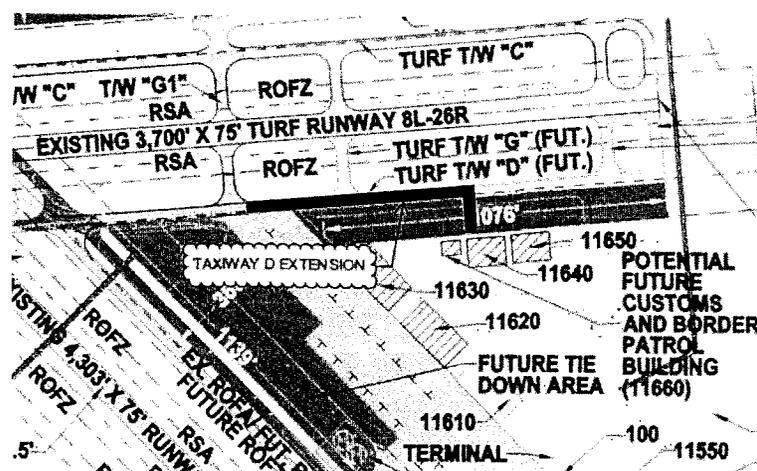
Task Scope Sheet

Task I-11-NCO-R-036

NCO Taxiway D Extension – Design Services

Scope

The Palm Beach County Department of Airports (DOA) intends to extend Taxiway D at North County from the intersection of Taxiway G1 and the terminal ramp area to the east by approximately 600 feet. This taxiway will provide access to future aviation development north of the terminal and south of Runway 8L-26R. It will be designed to B-II aircraft design standards and will have edge lighting and signage. The current proposed geometry of the Taxiway includes a parallel section along Runway 8L-26L with a 90 degree turn towards planned future development to the south. This geometry will be confirmed during the Program Verification Phase of this project.



The scope of services will generally follow the guidelines in Exhibit A, General Scope of Services, in the Prime Agreement as described below and as shown on them line items in the labor/fee proposal:

Phase 1: Program Verification/Schematic Design

AID will gather and review any existing information (drawings, reports, survey, etc.) available as it relates to this project. This will include a review of the existing conceptual stormwater permit for the airport to identify any special requirements for this project.

AID will perform a site visit and meet with DOA staff to discuss the scope of this project and address any design issues as they relate to the geometry of this taxiway. The current Master Plan shows an adjacent aircraft parking apron to this taxiway. The extension of the taxiway to the south will be addressed to ensure that the horizontal and vertical profiles will meet the future requirements of the parking apron.

Deliverables: A conceptual layout of this taxiway will be produced and presented to the DOA for their concurrence. An estimate of the construction cost will also be prepared and included in a brief Schematic Narrative Report.

Phase 2: Design Development (30% Design) – Not included

Phase 3: Contract Documents

Once the DOA has approved the conceptual layout of this project and field investigations are complete, AID will proceed with the preparation of 60% level Contract Documents (Phase 3A). This phase will include pavement design, geometric design, drainage design, preliminary phasing and safety plans, and the preparation of SFWMD permit application. It will also include a preliminary outline of the technical specifications and front-end documents.

Deliverables (Phase 3A): AID will submit 60% contract documents to the DOA for review. Once review comments are received, the permit package will be completed and submitted to SFWMD. A revised cost estimate will also be prepared.

AID will then proceed with the preparation of 90% level contract documents (Phase 3B). This will include the preparation of detailed construction plans and the technical specifications. It will also include the preparation of the Engineer's Report, and construction cost estimates. AID will also address comments and prepare a response letter to SFWMD for issuance of the permit.

Deliverables (Phase 3B): AID will submit 90% contract documents to the DOA for review.

Once comments are received from the DOA, AID will proceed with finalizing the project and submit signed and sealed Plans and Specifications to the Owner (Phase 3C).

Phase 4: Bidding and Award of Contract

AID will provide basic bidding services on this project as outline in Exhibit A of the Prime Agreement.

Phase 5: Construction Administration – Not Included

The scope of services for Phase 5 will be defined upon completion of Phase 3 Design Services.

Special Services

Special services will include the following items, as described in the attached proposals from their respective subconsultants:

- Environmental (see attached proposal from CECOS)
- Surveying (see attached proposal from Brown and Phillips)
- Geotechnical Services (see attached proposal from Tierra South Florida)

Assumptions and General Comments:

Special Services provided by AID and included on this project, as outlined in Exhibit A of the Prime Agreement, include:

1. Preparation and Submittal of an airspace Checklist
2. SFWMD permitting (including Pre-Application Meetings, preparation of Permit Documentation, and Permit submittal)

Items of Work Not Included in Scope

Quality Assurance, RPR, Construction Administration Services, Grant assistance, and Construction Management Plan are not included under this task.

Supporting Sub-Consultant

Tierra South Florida, Inc. - pre-design geotechnical services.
Brown & Phillips, Inc. - topographic surveys.
Hillers Electrical Engineering, Inc. -airfield lighting and signage design.
Cyriaks Environmental Consulting, Inc. - environmental site investigations

Data & Resources Required From Palm Beach DOA or Other Parties

1. Conceptual Stormwater Permit
2. As-built drawings of the original construction
3. Traffic data for pavement design
4. County Front-End Documents

Deliverables

At every phase, AID will submit one full-size and five half-size copies of the plans, five copies of the Project Manual, a CD if the Plans and front end/specs and five copies of the reports, as applicable.

Estimated Duration / Completion Date

Phase 1 (including field investigations):	30 days
Phase 2:	N/A
Phase 3A:	30 days
Phase 3B:	30 days
Phase 3C:	15 days
Phase 4:	TBD

Fee Type and Amount

Fixed Fee - \$101,785.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-9

Task Scope Sheet

Task I-11-NCO-R-037

NCO Wildlife Hazard Assessment

Scope

This scope of work outlines the tasks Ricondo & Associates, Inc. (R&A) and Loomacres, Inc. (together, the R&A Team) proposes to perform for the preparation of a Wildlife Hazard Assessment (WHA) at North Palm Beach County General Aviation Airport (F45 or the Airport). A Wildlife Hazard Assessment (WHA) in accordance with FAA Advisory Circular 150/5200-33B, *Wildlife Hazard Attractants on or Near Airports* would be conducted by a qualified wildlife biologist that meets the requirements of FAA Advisory Circular 150/5200-36, *Qualifications for Wildlife Biologists Conducting Wildlife Hazard Assessments and Training Curriculums for Airport Personnel Involved in Controlling Wildlife Hazards at Airports*. The WHA is required by Title 14 CFR 139.337(b) because wildlife strikes involving more than one animal have occurred at F45.

The WHA would include the following elements:

- An analysis of the events or circumstances surrounding the wildlife strikes requiring the assessment;
- Identification of wildlife species observed and their numbers, locations, local movements, and daily and seasonal occurrences;
- Identification and location of features on and near the Airport that attract wildlife;
- A description of wildlife hazards to air carrier operations; and
- Recommended actions for reducing identified wildlife hazards to air carriers.

In order to address the required elements of a WHA, the qualified wildlife biologist would conduct a literature review and contact local, State, and federal wildlife agencies to identify existing information on wildlife and rare, threatened, and endangered species known to occur at or in the vicinity of F45. All habitat types within existing Airport property would be identified and mapped; habitat areas known to attract hazardous wildlife (as identified in Advisory Circular 150/5200-33B) in surrounding areas within 5 miles of the Airport Operations Area (AOA) would also be identified. All of the field work (100%) provided as part of this project will be carried out by FAA Qualified Wildlife Biologists.

The following sections provide descriptions of the various tasks to be performed. During preparation of the WHA issues may arise that would necessitate modification of this scope of work and the associated budget. In the event that such changes are required, changes to this scope of work will be coordinated and approved by the Airport Sponsor. While this scope of work identifies all work items believed necessary for completion of the WHA, additional work items may arise from comments received during coordination with Airport personnel and from FAA comments after review of the WHA.

1. Task Management

R&A will coordinate with Airport staff throughout the preparation of the WHA. Coordination will include up to eight (8) on-site meetings: a project kickoff meeting, 4 quarterly progress meetings during the 12-month field surveys required for the WHA; and a meeting to present the findings of the WHA. Meeting agendas, sign-in sheets and notes will be prepared by Loomacres for the following meetings:

- Kickoff meeting
- Quarterly progress meetings
- WHA findings

2. Wildlife Hazard Assessment

2.1 Wildlife Surveys

Wildlife surveys will include the following tasks:

- Avian surveys will be conducted to document the species, number, habitat use and seasonal activity of birds that inhabit the Airport. The surveys will be conducted four times monthly and will continue for one year. The surveys will be conducted at 12 or more sites located on and adjacent to the Airport property. Site selection will be determined at the start of the project in consultation with Airport staff and to ensure visibility of all runway and taxiway areas and aircraft approach and departure routes. During the surveys each of the sites will be visited for 3 minutes. The birds that are observed during this time will be documented.
- Large mammal surveys will be conducted 2 times per month. Spotlights/night-vision/infrared devices will be used to document the abundance and distribution of mammals such as white-tailed deer and coyotes. A vehicle will be used to survey the AOA and surrounding property. Access, security procedures, and routes the vehicle will travel will be determined during the first visit to the Airport, in consultation with Airport staff.
- Small mammal surveys will be conducted during the spring and fall to document the small mammal population at the Airport. Four 1,000-foot transects will be set up in varying habitat types within the Airport property. Small mammal traps will be placed every ten feet along each transect. The traps will be set for a total of three nights during each sampling period. The traps will be checked each day and any species caught will be recorded. Location and days of sampling will be coordinated with Airport staff.
- Vegetation surveys will be conducted to determine the dominant vegetative species on the Airport. Grass height will be monitored at each survey location on a monthly basis to determine the average grass height for the growing season. The R&A Team will also make planting recommendations as needed to ensure that no new attractants are created.
- Insect surveys will be conducted to determine their potential to become wildlife attractants at the Airport. Surveys will be conducted at 12 sites throughout the Airport. Species composition and population index will be determined.
- Perimeter fence surveys will be conducted during each visit to the Airport. If a breach in the fence is discovered, the location and recommendations to repair the breach will be provided to Airport staff immediately.

2.2 Wildlife Hazard Assessment Report

The R&A Team will document all major wildlife attractants and wildlife hazards at the Airport and within 5 miles of the Airport. The WHA will also analyze the history of bird strikes that have occurred at F45. A review of all wildlife-associated permits will be assessed and a historical review of their use will be presented in the WHA.

Approximately two months after completing the field work the findings of the surveys will be compiled into a detailed report and five copies will be presented to Airport staff. The report will include:

- Summary of the known history of wildlife hazards at F45;
- Actual and potential wildlife hazards identified during the study;
- Identification of wildlife species, numbers, locations, local movements, and daily and seasonal occurrences observed;
- Identification and location of features on and near the Airport that attract or could potentially attract wildlife;
- Habitat descriptions and habitat preferences for key species;
- Legal status of key bird and mammal species;
- State and federal permit requirement needs;
- Recommendations for reducing identified wildlife and their potential for causing wildlife strikes; and
- Recommendations for mitigating the wildlife attractants found on and around the Airport.

2.3 Wildlife Hazards

Throughout the duration of the project Loomacres, Inc. personnel will be available to assist Airport personnel with the dispersal or removal of potential wildlife hazards (white-tailed deer, gulls, etc.), utilizing pyrotechnics, firearms, cage traps, and body gripping traps. These methods will be discussed with Airport management prior to their use, and only if requested. All of Loomacres, Inc. personnel are trained, licensed, and experienced in the use of firearms, traps and pyrotechnics. Loomacres, Inc. adheres to all State and federal regulations including the Migratory Bird Treaty Act of 1981.

2.4 Training

During the term of the contract Loomacres, Inc. will conduct one Bird Identification and Wildlife Hazard Management training course that is required by the FAA as part of the WHA process. The training will be conducted at F45. If some Airport personnel are unable to attend the training, they may attend one of Loomacres, Inc. regularly scheduled trainings at other airports. All personnel that attend and pass the training will receive a certificate verifying their accomplishment. The names and grades of those in attendance will be provided to the Airport Manager.

2.5 Protocols/Assistance to Airport Personnel

In the event of a wildlife/bird strike, the R&A Team can assist Airport personnel with the identification of the animal struck and in the reporting of the strike. If necessary, the R&A Team can assist F45 with public relations. This includes public outreach, and media relations. In addition, the R&A Team can assist in acquiring land owner permission in the immediate area surrounding the Airport in order to conduct wildlife conflict resolution. The R&A Team will coordinate with Airport management at the beginning of the study to determine access procedures, security clearance and training requirements (if necessary), and communication protocols to ensure that appropriate Airport personnel are aware of the dates, timing, and method of wildlife surveys.

Items of Work Not Included in Scope

- Wildlife Hazard Management Plan

Supporting Sub-Consultant

- Loomacres, Inc.

Data & Resources Required From Palm Beach DOA or Other Parties

- Copies of all wildlife-related permits for the airport.
- Wetland delineation maps.
- Airport perimeter map.
- Any wildlife strike history and harassment logs.

Deliverables

Wildlife Hazard Assessment Report- 3 Copies

Estimated Duration / Completion Date

15 months from issuance of Notice to Proceed

Fee Type and Amount

Fixed Fee - \$94,513.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-10

Task Scope Sheet

Task I-11-LNA-R-038

LNA Miscellaneous Pavement Design (Supplement #1 - CA Services)

Scope

On March 16, 2010, the Palm Beach County Department of Airports (DOA) issued a notice to proceed to the R&A Team to provide design services associated with the miscellaneous pavement repairs at Palm Beach County Park Airport (LNA). The initial intent of the project was to prepare construction documents and provide bidding and award services for the mill and overlay of Runway 15-33, Taxiway C, and a portion of the aircraft parking apron within the leasehold of Florida Airmotive.

During the kick-off meeting for the LNA Miscellaneous Pavement Repairs, the DOA requested that the design team reassess the airfield pavements at LNA to determine if other airfield improvements should be considered for inclusion in the project. During this evaluation, the DOA decided to incorporate a holding bay at the west end of Taxiway C for aircraft engine run-ups. Since this would require the installation of additional taxiway edge lights, the DOA also directed the consultant to include the replacement of existing taxiway edge lights along Taxiway C with LED fixtures.

The scope of work provided below is for the additional efforts associated with:

- Reassessing airfield improvements needs
- Electrical design associated with the Taxiway C edge lighting
- Additional pavement design associated with the Taxiway C holding bay
- Bid phase services (Entire Project – Taxiway C, Runway 15-33 & Apron)
- Construction phase services (Entire Project – Taxiway C, Runway 15-33 & Apron)

Task 1: Task Management & Administration

Work Element 1.1 – Contract Management

This includes efforts associated with coordinating this project with the DOA including meetings organization, progress reporting, and invoicing.

Work Element 1.2 – Sub-consultant Coordination

Due to the variety of consultants working on this effort, R&A will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Task 2: PHASE 4 - BIDDING AND AWARD OF CONTRACT

The CONSULTANT will perform the following tasks under Phase 4 for the entire bid package:

1. Assist the DOA in advertising for and obtaining bids for construction.
2. Print and distribute sets of Bidding Documents to Prospective Bidders and plan offices. The CONSULTANT shall maintain a record of prospective bidders to whom Bidding Documents have been issued, and receive and process fees for the Bidding Documents.
3. Respond to bidder's written questions and provide assistance to the DOA during the bid phase of the project designed by CONSULTANT.
4. Attend the pre-bid meeting to address issues related to the work designed by CONSULTANT. The CONSULTANT shall prepare pre-bid meeting minutes for distribution to the attending parties.
5. Prepare necessary addenda for CONSULTANT prepared plans and specifications and distribute addenda to the registered planholders.
6. Review the bids associated with the CONSULTANT designed work for errors in addition and/or extensions of unit prices prepare bid tabulations and make recommendations for awarding the contract within 48 hours of the bid opening.

Deliverables: Bid Tabulation and Engineer's Review of Bids, Recommendation of Award

Task 3: PHASE 5 - CONSTRUCTION ADMINISTRATION

The CONSULTANT shall perform the following tasks under Phase 5 for the entire bid package:

1. Prepare One (1) CD and 20 sets of "Conformed" plans and specifications which include all modifications resulting from bid phase addenda.
2. Attend the pre-construction meeting to address issues related to the project.
3. Review contractor's shop drawings, certifications, and test results for compliance with the construction documents.
4. Review and approve the contractor's monthly application for payment.
5. Respond to contractor's Requests for Information (RFI's).
6. Provide design consultation for changes in site conditions.
7. Prepare Project Bulletins to address design changes, RFI's and project change orders as may be required.
8. Prepare an ongoing log for RFI's and an ongoing submittal log.
9. Provide up to four (4) periodic site inspection visits as needed to address issues related to the designs if issues cannot be addressed via telephone calls and/or emails.
10. Participate in the substantial completion inspection and the final inspection.
11. Prepare record of final quantities and provide "Record" drawings on AutoCAD Release 2008 based on redline drawings supplied by the Contractor(s). The "Record" drawings will be provided to the DOA within 30 calendar days of receipt of the redline drawings. The "Record" drawings will be provided in .pdf format on two CD's and one (1) full-size set of

drawings.

Deliverables: One (1) CD with Conformed Contract Documents, twenty (20) Sets of Conformed Plans, two (2) CDs with "Record" Drawings, one (1) full size set of "Record" Drawings

Special Services:

- Completion/submission of Airspace Checklists to FAA
- Limited Allowance for Quality Assurance Testing during construction (supplemental funds for these services may be required once the extent of construction – in terms of scope and schedule duration – is better defined).

Items of Work Not Included in Scope

- Additional Geotechnical Services or Non-destructive testing
- Costs associated with the publishing of public advertisements for construction bids
- Construction Management and Inspection Services

Supporting Sub-Consultants

- RW Armstrong – Civil Engineering; Construction Administration
- Tierra South Florida – Materials Testing
- Hillers Electrical Engineering – Airfield Lighting Design; Construction Administration

Data & Resources Required From PBCDOA or Other Parties

- As-built drawings for the project area
- Base Maps (ideally, photogrammetric files) for use in design
- COUNTY'S approved front-end contract documents
- Copies of bids received in order to evaluate prices
- Current basemap files in AutoCad-2001.

Deliverables

- One (1) full-size set of the 90% Plans, five (5) half-size sets of the 90% Plans, six (6) copies of the 90% cost estimate, six (6) copies of the 90% Engineer's Report, six (6) copies of the outline of the 90% Contract Specifications.
- Bid Tabulation and Engineer's Review of Bids, Recommendation of Award
- One (1) CD with Conformed Contract Documents, twenty (20) Sets of Conformed Plans, two (2) CDs with "Record" Drawings, one (1) full size set of "Record" Drawings

Estimated Duration / Completion Date from Notice to Proceed (NTP)

Phase 3B	45 days
Phase 3C	20 days
Phase 4	TBD
Phase 5	TBD

Fee Type and Amount

Fixed Fee: \$109,990

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-11

Task Scope Sheet

Task I-11-LNA-R-039

LNA Wildlife Hazard Assessment

Scope

This scope of work outlines the tasks Ricondo & Associates, Inc. (R&A) and Loomacres, Inc. (together, the R&A Team) proposes to perform for the preparation of a Wildlife Hazard Assessment (WHA) at Palm Beach County Park Airport (LNA or the Airport). A Wildlife Hazard Assessment (WHA) in accordance with FAA Advisory Circular 150/5200-33B, *Wildlife Hazard Attractants on or Near Airports* would be conducted by a qualified wildlife biologist that meets the requirements of FAA Advisory Circular 150/5200-36, *Qualifications for Wildlife Biologists Conducting Wildlife Hazard Assessments and Training Curriculumms for Airport Personnel Involved in Controlling Wildlife Hazards at Airports*. The WHA is required by Title 14 CFR 139.337(b) because wildlife strikes involving more than one animal have occurred at LNA.

The WHA would include the following elements:

- An analysis of the events or circumstances surrounding the wildlife strikes requiring the assessment;
- Identification of wildlife species observed and their numbers, locations, local movements, and daily and seasonal occurrences;
- Identification and location of features on and near the Airport that attract wildlife;
- A description of wildlife hazards to air carrier operations; and
- Recommended actions for reducing identified wildlife hazards to air carriers.

In order to address the required elements of a WHA, the qualified wildlife biologist would conduct a literature review and contact local, State, and federal wildlife agencies to identify existing information on wildlife and rare, threatened, and endangered species known to occur at or in the vicinity of LNA. All habitat types within existing Airport property would be identified and mapped; habitat areas known to attract hazardous wildlife (as identified in Advisory Circular 150/5200-33B) in surrounding areas within 5 miles of the Airport Operations Area (AOA) would also be identified. All of the field work (100%) provided as part of this project will be carried out by FAA Qualified Wildlife Biologists.

The following sections provide descriptions of the various tasks to be performed. During preparation of the WHA issues may arise that would necessitate modification of this scope of work and the associated budget. In the event that such changes are required, changes to this scope of work will be coordinated and approved by the Airport Sponsor. While this scope of work identifies all work items believed necessary for completion of the WHA, additional work items may arise from comments received during coordination with Airport personnel and from FAA comments after review of the WHA.

1. Task Management

R&A will coordinate with Airport staff throughout the preparation of the WHA. Coordination will include up to eight (8) on-site meetings: a project kickoff meeting, 4 quarterly progress meetings during the 12-month field surveys required for the WHA; and a meeting to present the findings of the WHA. Meeting agendas, sign-in sheets and notes will be prepared by Loomacres for the following meetings:

- Kickoff meeting
- Quarterly progress meetings
- WHA findings

2. Wildlife Hazard Assessment

2.1 Wildlife Surveys

Wildlife surveys will include the following tasks:

- Avian surveys will be conducted to document the species, number, habitat use and seasonal activity of birds that inhabit the Airport. The surveys will be conducted four times monthly and will continue for one year. The surveys will be conducted at 12 or more sites located on and adjacent to the Airport property. Site selection will be determined at the start of the project in consultation with Airport staff and to ensure visibility of all runway and taxiway areas and aircraft approach and departure routes. During the surveys each of the sites will be visited for 3 minutes. The birds that are observed during this time will be documented.
- Large mammal surveys will be conducted 2 times per month. Spotlights/night-vision/infrared devices will be used to document the abundance and distribution of mammals such as white-tailed deer and coyotes. A vehicle will be used to survey the AOA and surrounding property. Access, security procedures, and routes the vehicle will travel will be determined during the first visit to the Airport, in consultation with Airport staff.
- Small mammal surveys will be conducted during the spring and fall to document the small mammal population at the Airport. Four 1,000-foot transects will be set up in varying habitat types within the Airport property. Small mammal traps will be placed every ten feet along each transect. The traps will be set for a total of three nights during each sampling period. The traps will be checked each day and any species caught will be recorded. Location and days of sampling will be coordinated with Airport staff.
- Vegetation surveys will be conducted to determine the dominant vegetative species on the Airport. Grass height will be monitored at each survey location on a monthly basis to determine the average grass height for the growing season. The R&A Team will also make planting recommendations as needed to ensure that no new attractants are created.
- Insect surveys will be conducted to determine their potential to become wildlife attractants at the Airport. Surveys will be conducted at 12 sites throughout the Airport. Species composition and population index will be determined.
- Perimeter fence surveys will be conducted during each visit to the Airport. If a breach in the fence is discovered, the location and recommendations to repair the breach will be provided to Airport staff immediately.

2.2 Wildlife Hazard Assessment Report

The R&A Team will document all major wildlife attractants and wildlife hazards at the Airport and within 5 miles of the Airport. The WHA will also analyze the history of bird strikes that have occurred at LNA. A review of all wildlife-associated permits will be assessed and a historical review of their use will be presented in the WHA.

Approximately two months after completing the field work the findings of the surveys will be compiled into a detailed report and five copies will be presented to Airport staff. The report will include:

- Summary of the known history of wildlife hazards at LNA;
- Actual and potential wildlife hazards identified during the study;
- Identification of wildlife species, numbers, locations, local movements, and daily and seasonal occurrences observed;
- Identification and location of features on and near the Airport that attract or could potentially attract wildlife;
- Habitat descriptions and habitat preferences for key species;
- Legal status of key bird and mammal species;
- State and federal permit requirement needs;
- Recommendations for reducing identified wildlife and their potential for causing wildlife strikes; and
- Recommendations for mitigating the wildlife attractants found on and around the Airport.

2.3 Wildlife Hazards

Throughout the duration of the project, Loomacres, Inc. personnel will be available to assist Airport personnel with the dispersal or removal of potential wildlife hazards (white-tailed deer, gulls, etc.), utilizing pyrotechnics, firearms, cage traps, and body gripping traps. These methods will be discussed with Airport management prior to their use, and only if requested. All of Loomacres, Inc. personnel are trained, licensed, and experienced in the use of firearms, traps and pyrotechnics. Loomacres, Inc. adheres to all State and federal regulations including the Migratory Bird Treaty Act of 1981.

2.4 Training

During the term of the contract Loomacres, Inc. will conduct one Bird Identification and Wildlife Hazard Management training course that is required by the FAA as part of the WHA process. The training will be conducted at LNA. If some Airport personnel are unable to attend the training, they may attend one of Loomacres, Inc. regularly scheduled trainings at other airports. All personnel that attend and pass the training will receive a certificate verifying their accomplishment. The names and grades of those in attendance will be provided to the Airport Manager.

2.5 Protocols/Assistance to Airport Personnel

In the event of a wildlife/bird strike, the R&A Team can assist Airport personnel with the identification of the animal struck and in the reporting of the strike. If necessary, the R&A Team can assist LNA with public relations. This includes public outreach, and media relations. In addition, the R&A Team can assist in acquiring land owner permission in the immediate area surrounding the Airport in order to conduct wildlife conflict resolution. The R&A Team will coordinate with Airport management at the beginning of the study to determine access procedures, security clearance and training requirements (if necessary), and communication protocols to ensure that appropriate Airport personnel are aware of the dates, timing, and method of wildlife surveys.

Assumptions and General Comments:

N/A

Items of Work Not Included in Scope

Wildlife Hazard Management Plan

Supporting Sub-Consultant

Loomacres, Inc.

Data & Resources Required From Palm Beach DOA or Other Parties

Copies of all wildlife-related permits for the airport.

Wetland delineation maps.

Airport perimeter map.

Any wildlife strike history and harassment logs.

Deliverables

Wildlife Hazard Assessment Report- 3 Copies

Estimated Duration / Completion Date

15 months from issuance of Notice to Proceed

Fee Type and Amount

Fixed Fee - \$99,965.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-12

Task Scope Sheet

Task I-11-PBI-R-040

PBI ADG V/VI Compliance Review & Aircraft Parking Analyses

Scope

The Airport Layout Plan (ALP) for Palm Beach International Airport (PBI) indicates that its airfield is currently designated with an airport reference code of D-IV. In accordance with Airplane Design Group (ADG) IV standards, the configuration of the PBI airfield is intended to accommodate aircraft with a wingspan up to, but not including 171 feet. However, several airlines have recently requested that PBI serve as a diversion airport for nearby airports, such as Miami and Orlando International Airports. In addition, these airlines have inquired about the ability to accommodate ADG V & VI aircraft with a wingspan up to, but not including 214 feet. More specifically, these aircraft could include the B747-400/-8, B777-200/300, and A340 Aircraft.

Many of the airfield design standards prescribed by the Federal Aviation Administration (FAA) for ADG IV, V, and VI aircraft are similar. This includes consistent runway and taxiway pavement widths, as well as the configuration of runway safety areas, object free areas, runway protection zones, and obstacle free zones. Due to the larger wingspan and larger configuration of the landing gear, however, ADG V & VI aircraft require greater separation between parallel taxiways/taxilanes, object free area widths, taxiway fillet configurations, taxiway safety areas and shoulder widths. In addition, ADG V & VI aircraft require larger parking positions at terminal gates and on aircraft parking aprons.

At the request of the Palm Beach County Department of Airports (DOA), the R&A Team will conduct an ADG V & VI Compliance Review for PBI that will be performed in two distinct phases:

Phase 1 will focus primarily on assessing the airfield's ability to accommodate ADG V & VI aircraft. This will include analyses associated with dedicated ADG V and VI aircraft taxi routing between Runway 10L-28R and the terminal area. In consultation with FAA Air Traffic Control personnel (ATC) and DOA staff, **Phase 1** will involve the following efforts:

- document existing operational policies for accommodating ADG V & VI aircraft at PBI
- identify preferred parking locations for ADG V & VI aircraft, and dedicated taxi routings between these parking areas and existing Runway 10L-28R.
- evaluate these taxi routings and parking areas to identify potential deficiencies and non-conformance with FAA design standards for ADG V & VI aircraft
- evaluate taxiway intersections along the dedicated taxi routings to assess the adequacy of fillets
- assess taxiway/taxilane pavement design strength to validate ability to accommodate
- explore potential mitigation efforts through modification to design standards and/or ATC operating agreements

Phase 2 will address the modifications to the aircraft parking positions at Gates B2, B10, and C6 in order to accommodate the B747-400, B777-200/300, and A340 aircraft and produce a corresponding ramp striping plan to achieve this. In consultation with DOA staff, **Phase 2** will involve the following efforts:

- document existing aircraft parking layouts for DOA Gates B10, C6 and adjacent gates
- verify existing lead-in lines, nosewheel stop positions and loading bridge models
- develop aircraft parking concepts for each gate
- assess potential impacts to adjacent gate positions
- coordinate with airline station managers (as necessary)
- select preferred aircraft parking plan layout
- prepare ramp striping plan

Other than the preparation of pavement marking plans during Phase 2, this study will **not** evaluate mitigation efforts requiring capital investments such as realigning or shifting taxiways, obstruction/obstacle removal, loading bridge installations, etc. Taxiway safety area compliance is also not included.

This study will utilize documentation provided by the Airport or available from published sources as a basis for inventory of the airfield geometry and evaluation of practicability improvement necessary to mitigate identified deficiencies. The preparation of this task will consider the most recent FAA criteria, guidelines and advisories and specifically pertinent standards as set forth in FAA Advisory Circular (AC) 150/5300-13, *Airport Design*, as well as other applicable criteria and guidelines prescribed by the DOA.

The ADG V & VI Compliance Review will be conducted in conjunction with American Infrastructure Development, Inc. (AID) and Brown and Phillips, Inc. (B&P). This effort will be comprised of the following tasks:

Task 1 – Task Management and Administration

Sub-Task 1.1 – Contract Management (R&A)

This includes all efforts associated with coordinating this project with the DOA including meetings, organization, progress reporting, invoicing and issuing of purchase orders to sub-consultants.

Sub-Task 1.2 – Sub-consultant Coordination (R&A)

Due to the variety of consultants working on this effort, R&A will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Phase 1 Airfield Compliance to Design Standards

Task 2 – Document Existing Conditions and ADG V & VI Operational Needs

Sub-Task 2.1 – Prepare Basemaps (AID / R&A)

This effort will include assembling the most recent ALP basemaps and aerial photography available for the Airport, and aircraft parking plans. Any documented waivers, restrictions, and/or

modifications of standards (MOS) applicable to the existing airfield will be collected in an effort to understand existing limitations and procedures. R&A will identify existing passenger loading bridge types, rotunda elevations and locations at a minimum. All drawings obtained should be in Florida State Plane coordinates and include apron elevation data associated with the Gates B2, B10 and C6. Field verification of the aircraft parking and marking plans for Gates B2, B10, C6 and adjacent gates will also be conducted.

Sub-Task 2.2 – DOA/ATC Meeting #1 (R&A / AID)

Attend and participate in a “kick-off” meeting with representatives from the Palm Beach DOA and ATC. The intent of Meeting #1 is to provide an overview of the Study goals and objectives and review, define and discuss existing conditions, deficiencies, operating procedures and study assumptions. The airport study areas will be defined to focus efforts on pertinent airport areas (runways, taxiways, aprons, etc.) anticipated to be used by ADG V & VI aircraft. R&A will prepare the meeting agenda, sign-in sheet, and meeting notes.

Sub-Task 2.3 – Document Study Limits & Constraints (AID)

Based on the discussions during DOA/ATC Meeting #1, a series of tables and/or exhibits will be prepared to document pertinent information associated with Phase 1. This would include, but is not limited to illustrating the preferred ADG V & VI taxi routings between Runway 10L-28R and the terminal area and documenting existing modification to design standards and/or operational constraints identified by ATC/DOA staff.

Task 3 –ADG V & VI Airfield Design Standard Compliance Review

Task 3 includes the efforts associated with evaluating the select aircraft taxi routings for conformance to FAA design standards for ADG V & VI aircraft and consultations with ATC and DOA staff to address the resulting operational constraints.

Sub-Task 3.1 – Taxiway/Taxilane Compliance with FAA Design Standards (AID)

A graphic depiction of the airfield layout will be prepared in plan view, illustrating ADG V & VI standard geometry in Airport areas where ADG V & VI aircraft would operate. Dimensional standards for the elements of the airfield geometry will be listed in tabular format, along with associated deficiencies, and constraining factors. Dimensional standards will include, but not be limited to:

- Hold position markings
- Parallel taxiway/taxilane separations
- Taxiway/taxilane obstacle clearance requirements
- Pavement strength

Sub-Task 3.2 – Taxiway Fillet Analysis (R&A)

The taxiway geometry associated with taxiway/taxilane intersections along the ADG V & VI aircraft taxi routes between Runway 10L-28R and the terminal area will be evaluated. Utilizing PathPlanner software, the pavement fillets and lead-in areas will be evaluated to ensure adequate safety margins from the track of the main landing gear. PathPlanner analyses will be conducted using cockpit over centerline tracking (i.e. judgemental oversteering will **not** be considered).

The PathPlanner analyses will be limited to existing taxiways/taxilanes that are currently configured to meet ADG IV design standards. In addition, Taxiway H will be evaluated to assess potential

staging of ADG V aircraft on the south apron areas. This analysis will result in an illustration of the of the overall PBI airfield, with deficient intersections identified. Two separate graphics will be prepared; one for deficiencies associated with the most limiting ADG V aircraft type(s) and one for the B747-8. This will assist the DOA in identifying potential operational restrictions for taxiing and/or parking of ADG V and B747-8 aircraft.

Detailed graphical depictions of the aircraft taxi movements associated with each taxiway/taxilane intersection will **not** be prepared and would be subject to a supplemental task authorization if the DOA should request them.

Sub-Task 3.3 – Operational Review (R&A)

This task includes the formulation and evaluation of potential approaches to mitigate non-standard conditions to accommodate ADG V & VI aircraft. These mitigation approaches will be limited to operational approaches, such as ATC letter of agreements and modification to design standards. The R&A Team will consult with both local ATC staff as well as staff at the FAA's Orlando Airports District and Southern Region Office in Atlanta.

Sub-Task 3.4 – Document Preliminary Findings (R&A / AID)

The R&A Team will prepare a formal PowerPoint presentation that documents the analyses conducted during ADG V & VI Airfield Design Standard Compliance Review. A draft of the PowerPoint presentation will be reviewed with DOA staff and revised as necessary prior to meeting with ATC

Sub-Task 3.5 – DOA and ATC Preliminary Findings Review (R&A / AID)

The R&A Team will present the preliminary findings to ATC and DOA's Operations Departments concurrently. During this meeting, formal recommendations for accommodating ADG V & VI aircraft and applicable modification to design standards and/or operating agreements will be identified. AID will prepare all meeting agendas, sign-in sheets, and meeting notes.

Phase 2 Aircraft Parking Plan Modifications and Pavement Marking Plans

Task 4 – Document Existing Gate Conditions

Sub-Task 4.1 – Assemble Existing Parking and Ramp Striping Plans (R&A)

Detailed information on the existing conditions at Concourses B and C will be collected, and reviewed for their content as it relates to the ramp maximization at Gates B2, B10, and C6. This data will include updated base drawings, passenger boarding bridge types, rotunda elevations and locations at a minimum. All drawings obtained should be in Florida State Plane coordinates and include apron elevation data.

Sub-Task 4.2 – Field Review of Existing Conditions (R&A)

In addition, a one day field inventory will also be included as part of this task. This field inventory will provide R&A an opportunity to collect existing data and verify the accuracy of any pre-existing drawings received to date. For budgeting purposes, it is anticipated that R&A's Project Manager, as well as one airside planner, would participate in this field inventory.

Sub-Task 4.3 – Assemble/Evaluate Airline Flight Schedules (R&A)

The data collection effort will also include an OAG query to identify the aircraft utilization at adjacent gates. At a minimum, airline and aircraft fleet mix data will be required for Gates B10 and

B12 at Concourse B, and Gates C4 and C8 at Concourse C. Additional data may be required if the proposed ADG V positions affect multiple gates.

Task 5: Aircraft Parking Plan Review

Sub-task 5.1 – Gates B10 and C6 Parking Plan Review (R&A)

R&A will review Gates B2, B10 and C6 to determine their ability to accommodate the B747-400, B777-200/300 and A340-200. This review will consider the existing passenger boarding bridges, required aircraft wingtip clearances, building set-backs, and ramp equipment staging and operations.

Impacts to adjacent gates resulting from the proposed ADG V positions will be reviewed in Sub-Task 5.2, *Alternative Parking Plan Concepts Development*.

Sub-task 5.2 – Alternative Parking Plan Concepts Development (R&A)

Gates B2, B10, and C6 are currently configured to accommodate ADG III and IV aircraft. Re-configuring these gates to accommodate the specified ADG V aircraft may affect adjacent aircraft positions. To mitigate these impacts, R&A will identify aircraft parking plan alternatives for Concourses B and C. The alternatives considered in this effort may include downsizing, shifting, and/or the relocation of adjacent aircraft positions. The R&A Team will evaluate up to six (three for each concourse) parking plan concepts.

Sub-task 5.3 – Evaluation of Aircraft Parking Plan Concepts (R&A)

In consultation with DOA staff and select airline station managers, R&A will perform an evaluation of the aircraft parking plan alternatives identified in the preceding task. Airline flight schedules will be evaluated to identify the aircraft gate mix needs for airlines' leasing adjacent gates and assess potential operational impacts.

Task 6: Documentation

Sub-task 6.1 – Executive Summary (R&A)

R&A will prepare a PowerPoint presentation that documents the existing parking plan, alternative parking concepts and selection of a preferred concept. R&A will meet with DOA staff to review the presentation and provide an electronic copy for DOA files.

Assumptions:

- ADG V passenger aircraft will be served at Gates B2, B10 and C6 only
- ADG V & VI aircraft will utilize Runway 10L-28R only
- Loading bridge locations and elevations will be obtained from as-built drawings and apron marking plans (AutoCAD) provided by DOA

Items of Work Not Included in Scope

- Evaluation of mitigation measures requiring capital investment
- Evaluation of runway, taxiway, and taxilane safety areas
- Taxiway fillet analyses based on judgemental oversteering
- Drafting of letter of agreements between the DOA and ATC
- FAA processing of modification to design standard requests
- Topographical/elevation surveys of existing conditions
- Development of ramp striping plans
- Development of exhibits that illustrate the individual aircraft movements through taxiway/taxilane intersections

- Field services associated with ramp striping activities
- Cost estimating
- Bidding services
- Surveying of apron striping associated with proposed parking positions
- No formal report or documentation of findings (other than PowerPoint summary)

Supporting Sub-Consultant

American Infrastructure Development, Inc.

Data & Resources Required From Palm Beach DOA or Other Parties

- most recent basemap and aerial photography available for the Airport
- latest FAA-approved ALP
- existing airfield operating configurations
- existing ADG V & VI aircraft taxi routes and aircraft parking areas
- documented waivers, restrictions, and/or MOS applicable to the existing airfield
- loading bridge locations and elevations will be obtained from as-built drawings and apron marking plans (AutoCAD) provided by DOA

Deliverables

- Meeting notes
- Exhibits that illustrate deficient taxiway/taxilane intersections
- PowerPoint presentations

Estimated Duration / Completion Date

60 days from the Notice-to-Proceed (NTP).

Fee Type and Amount

Fixed Fee	
Task Management	\$ 2,030.00
Phase 1	\$31,053.00
Phase 2	\$16,035.00
Total Fee	\$49,118.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-13

Task Scope Sheet

Task I-11-PBI-R-041

PBI Terminal Flooring Replacement (Phase II Installation)

Scope

The Phase 2 flooring installation involves project management, operations planning and phasing, design, construction, and construction administration for the replacement of carpeted areas with carpet within the primary departure level hold rooms, ramps, and TSA passenger screening areas of Concourses B and C; replace carpet and select tile in all of Concourse A; and replacement of portions of the existing floor tiles and carpets within the ticketing and baggage claim level of the Terminal Building. In order to complete this task, The Consultant shall then provide design and documentation for a Phase II flooring installation package to be bid and permitted, and provide Construction Administration services during the Phase II installation. Specific tasks include:

The Phase II Flooring project area will include installation of new flooring for the following areas on Level 2 in the Palm Beach International Airport Terminal:

1. Main Terminal
 - a. Carpet at areas adjacent to the Phase I tile to complete new Flooring in the central area of the main Terminal
2. Concourse B
 - a. Carpet at the gate areas adjacent to the installed Phase I tile
 - b. Carpet on the ramp areas
 - c. Tile at the Concourse B TSA Security screening area
 - d. Carpet at the entry and exit areas of Concourse B TSA Security Screening area
3. Concourse C
 - a. Carpet at the gate areas adjacent to the installed Phase I tile
 - b. Carpet on the ramp areas
 - c. Tile at the Concourse B TSA Security screening area
 - d. Carpet at the entry and exit areas of Concourse B TSA Security Screening area
 - e. No work at the south end at the newer carpeted areas installed with the Concourse C expansion.

Consultant shall coordinate and facilitate selection of preferred flooring materials and the installation of mockups for DOA review and approval. The Consultant shall then provide design and documentation for Phase II flooring installation package for bid and construction, and provide Construction Administration services during the Phase II installation. Specific tasks include:

1. Flooring Product Samples and Mockup Installation

- 1.1 Identify preferred flooring materials
- 1.2 Coordinate with carpet manufacturers to provide preferred products for samples and mockups. Coordinate delivery of samples and mockup installation.
- 1.3 Attend on-site review meeting at mockup location with suppliers and DOA to address issues of products, maintenance and installation issues and finalize product selection.

2. Design Development

- 2.1 Identify specific locations for carpet and tile as an overall approach to the level 2 Terminal design.
- 2.2 Complete field review of existing conditions at Level 2 Terminal landside, Concourse B and Concourse C to include flooring material locations, wall material locations, wall base conditions and base materials, flooring transitions, expansion joint locations, limits of tenant flooring materials, gate furniture locations, gate desk locations, ceiling soffit pattern, and wall and door locations.
- 2.3 Preparation of a Phase II installation plan indicating limits of demolition and flooring replacement that correspond to a Phase II budget as determined by the DOA.
- 2.4 Develop specifications approach for front-end specifications, demolition, subfloor preparation, new flooring materials, and installation techniques.
- 2.5 Conduct coordination review meeting with DOA, TSA and Airlines to identify schedule and construction phasing approach

3. Construction/Bid Documents

- 3.1 Coordinate phasing and construction approach. Confirm limits of Phase II installation to conform to Phase II funding amount. Coordinate installation approach and contractor sub-phasing with DOA to provide for passenger circulation, day vs. night work, egress widths, code compliance, operational requirements, and airline operations. Phasing approach will be identified with phase-by-phase specific drawings and documents and coordinated with both the DOA and airlines prior to finalizing documents. Since Airline gate areas and TSA screening areas will be directly affected by the Phase II installation, coordination for those activities will be required.
- 3.2 Prepare construction drawings.
- 3.3 Prepare construction specifications.
- 3.4 Distribute for DOA, TSA and Airline review.
- 3.5 Incorporate comments from DOA into final documents.
- 3.6 Prepare opinion of Probable Cost to assist in Bid Evaluation

4. Bidding Phase

- 4.1 Distribute documents for bidding.
- 4.2 Attend pre-bid conference.
- 4.3 Prepare and distribute response to bidders questions.
- 4.4 Review bid submittals and evaluate responses to assist DOA with award of contract.

5. Construction Administration

- 5.1 Attend Pre-Construction Meeting

- 5.2 Attend project coordination meetings on a bi-weekly basis for Phase II Construction duration (based on 24 week installation schedule-12 meetings total)
- 5.3 Provide submittal and shop drawing review
- 5.4 Provide RFI review and responses
- 5.5 Provide weekly Phasing completion review. One per week for 24 weeks.
- 5.6 Provide final completion walk-through review.
- 5.7 Provide close-out documentation.

Supporting Sub-Consultant

Schenkel Shultz- Architectural

Kraus-Manning, Inc. - Cost Estimating

American Infrastructure Development, Inc. – Front End Documents, Bidding Services

Data & Resources Required From Palm Beach DOA or Other Parties

- Cad files of existing conditions, exact areas to be coordinated

Deliverables

1. Product samples of carpet products
2. Bid/Construction documents
3. Cost Estimate
4. Close-out documents.

All deliverables will include 1 full-size set, 5 half-size sets and a CD of the plans and front ends/specs

Reimbursable Expenses

1. It is anticipated that printing for bid documents will be charged to bidders and no expenses for bidding printing have been included.

Estimated Duration / Completion Date

Design and Documentation- 3 months

Bidding- 1 month

Award of Contract- 3 months

Construction Administration- 6 months

Fee Type and Amount

Lump Sum: \$138,081

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-14

Task Scope Sheet

Task I-11-PBI-R-042

PBI Signature (NetJets) Leasehold Site Plan Review

Scope

On March 29, 2011, the Palm Beach County Department of Airports (DOA) issued a notice to proceed to the Ricondo & Associates (R&A) Team to perform planning and preliminary engineering services associated with the Golfview Development Area (GDA) at the Palm Beach International Airport (PBI). This effort serves to establish implementation strategies for designing and constructing infrastructure and facilities within the GDA under a phased development scenario.

At the onset of the Golfview Implementation Planning effort, Signature Flight Support entered into a lease with the DOA to develop facilities within a parcel located at the northeast corner of the GDA. Upon approval of the lease, Signature embarked on a fast-track design effort to construct a passenger terminal facility, and associated landside and airside infrastructure to facilitate the NetJet's operation at PBI. To facilitate this effort, the DOA requested that R&A perform independent peer reviews of Signature's proposed site plan for the NetJets terminal complex. This effort includes the following tasks:

- Review initial site plan for compliance with proposed roadway and airfield infrastructure
- Develop alternative site plan concepts to conform with GDA (including coordination with CH2M Hill to discuss landside constraints and considerations)
- Evaluate airspace constraints associated with existing and future airspace constraints including FAR Part 77 and United States Standards for Terminal Instrument Procedures (TERPS)
- Review Signature's refined site plan alternatives and consultation with DOA
- Coordination with Signature's design team via conference call

Additional peer review efforts provided by CH2M Hill, Inc. are to be addressed in a separate work proposal to be administered under their respective contract with the DOA.

Items of Work Not Included in Scope

Engineering and traffic engineering analyses performed by CH2M Hill and Hillers Electrical Engineering, Inc.

Supporting Sub-Consultant

None

Data & Resources Required From Palm Beach DOA or Other Parties

PBI Basemap files
Signature Site Plan Concepts

Deliverables

Refined Site Plan Concepts for Signature Leasehold Parcel within the GDA

Estimated Duration / Completion Date

Four weeks from issuance of Notice to Proceed

Fee Type and Amount

Fixed Fee - \$15,200.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-15

Task Scope Sheet

Task I-11-PBI-R-043 PBI Terminal Restroom Renovation - Planning and Programming

Scope

The Palm Beach County Department of Airports (DOA) is currently in the process of identifying potential capital improvement projects at the Palm Beach International Airport (PBI) for consideration in its upcoming passenger facility charge. One of those projects being considered is the full renovation of the public restroom facilities within the terminal and associated concourses. To facilitate this process, the DOA has requested the assistance of the R&A Team to conduct preliminary planning and programming for the planned restroom modifications. This effort will be led by Colome and Associates, Inc. (Colome) with the support of Johnson, Levinson, Ragan, Davila, Inc. (JLRD).

In total, there are ten sets of restrooms within the public areas that have been identified by the DOA for renovation. They include:

- Main Terminal Level 1 (Bag Claim) 2 banks
- Main Terminal Level 2 (Concessions) 2 banks
- Main Terminal Level 3 (Ticketing) 1 bank
- Concourse A Level 1 (Departure Lounge) 1 bank
- Concourse B Level 2 (Departure Lounge) 2 banks
- Concourse C Level 2 (Departure Lounge) 2 banks (excludes recent expansion)

Total: 10 banks

Since these restrooms are the original restrooms that were installed with the original construction of the terminal facility, it is likely that modifications will be necessary to comply with the Americans with Disabilities Act (ADA) and the Florida State Building Code. Therefore, this effort will include an ADA and FSBC compliance review, development of concepts to ensure compliance, and preparation of rough order of magnitude cost estimates.

This effort is comprised of four tasks as described below:

Task 1 Task Management and Administration

Sub-task 1.2 Contract Management (R&A)

This includes all efforts associated with coordinating this project with the DOA including meetings, organization, progress reporting, invoicing and issuing of purchase orders to sub-consultants.

Sub-task 1.2 Sub-consultant Coordination (R&A / Colome)

Due to the variety of consultants working on this effort, R&A will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Task 2 Data Collection

Sub-task 2.1 As-built Drawings and Related Documents (Colome / JLRD)

As built drawings will be collected to assist with the site investigations and subsequent concepts development. Existing floor plan drawings for each restroom bank will be obtained and appropriate basemaps assembled.

Sub-task 2.2 Site Investigations (Colome / JLRD)

The R&A Team will perform field reviews of all ten restroom banks to document hardware, fixtures, finishes, other construction related items. Consistency between as-built drawings and existing conditions will be documented. DOA maintenance staff will be contacted to discuss existing maintenance issues and potential facility constraints.

Task 3 Compliance Review

Sub-task 3.1 ADA and SFBC (Colome / JLRD)

The current configuration of the restrooms will be evaluated to identify items that are not in conformance with ADA and SFBC requirements.

Sub-task 3.2 Floor Plan Modification Concept Development (Colome)

A set of conceptual floor plan design solution layouts for each restroom bank will be produced. These conceptual layouts will be illustrated on 11 x 17 exhibits depicting general locations of plumbing fixtures, partition walls, and other modifications to ensure ADA and SFBC conformance. The consultant will develop up to two design solutions for each restroom bank.

Sub-task 3.3 Plumbing Fixture Analysis (Colome / JLRD)

Review existing Life Safety Plans with occupancy loads and furniture layouts and determine the plumbing fixture counts required for women and men's restroom facilities including family restrooms. Provide a spread sheet outlining the requirements per floor in order to establish the requirements for plumbing fixtures prior to providing design solutions. This analysis shall be based on the Americans with Disabilities Act and Florida Building Code 2007 and 2009 Amendments to the Existing Building Code.

Sub-task 3.4 Concepts & Plumbing Fixture Analysis Review Meeting (R&A / Colome / JLRD)

The R&A Team will meet with the DOA to review the conceptual design solutions graphics. No formal presentation will be prepared. Colome will prepare a meeting agenda, sign-in sheet and meeting notes.

Task 4 Cost Estimate Development & Documentation

Sub-task 4.1 Preliminary Cost Estimate Preparation (Colome / JLRD)

The R&A Team will prepare a preliminary cost estimates for each of the restroom banks. This will include a cost summary table and a detailed line item cost estimate considering modifications required for ADA Compliance, new floor and wall finishes, new restroom partitions, new lighting, new countertops, new plumbing fixtures, and interior painting. Both hard and soft costs will be considered.

Sub-task 4.2 Documentation (Colome / JLRD)

A technical memorandum will be prepared that presents the resulting costs, list of assumptions, and illustrations of the preferred conceptual floor plan design solution layouts for each bank of restrooms. A Draft of the technical memorandum will be submitted to the DOA for review and comment. Upon receiving comments from the DOA, the technical memorandum will be revised and resubmitted in final format. Both the Draft and Final technical memorandums will be submitted in portable document file (PDF) format.

Items of Work Not Included in Scope

Restrooms located within Level 1 of Concourses B and C
Restroom located within the recently expanded headhouse of Concourse C.

Supporting Sub-Consultant

Colome & Associates, Inc. – ADA Compliance, Task Leader
Johnson, Levinson, Ragan, Davila, Inc. – Mechanical and Plumbing Costs

Data & Resources Required From Palm Beach DOA or Other Parties

Existing As-Built drawings architectural (including life safety with occupancy loads and furniture plans), plumbing, mechanical, and electrical for proposed Restroom areas of modification as described above.

Deliverables

Draft and Final Technical Memorandum with Supporting Cost Information (PDF format)

Estimated Duration / Completion Date

Forty Five (45) Days

Fee Type and Amount

Fixed Fee – \$24,925

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-16

Task Scope Sheet

Task I-11-PBI-R-044

LNA South Side Redevelopment Plan

Scope

Once the on-going litigation with Florida Airmotive, Inc. ends, the Palm Beach County Department of Airports (DOA) intends to increase security measures at the Palm Beach County Park (LNA) by providing a clear delineation between the airside and landside areas. The installation of an Airside Operations Area (AOA) fence to secure the airside would also provide a means to maintain the majority of vehicle movements outside the airfield operations areas improving the overall airport safety and strengthening efficiencies.

The DOA has requested that Ricondo & Associates (R&A) conduct a planning study that would result in the creation of development schemes/alternatives for the South side area of the Airport. Specifically, the proposed development alternatives would highlight how the existing facilities could be redeveloped so that the installation of a fence and electronically controlled entry gates separating the airside and landside areas could be made possible. The goals of this effort are:

- Determine the existing facilities that would need to be demolished and/or replaced because of their conditions and/or lack of compliance with applicable standards
- Assess future facility requirements based on DOA's General Aviation Minimum Standards
- Identify developable land parcels taking into account the existing airfield layout and future landside access
- Prepare development alternatives with an emphasis on enhancing landside access and securing the AOA
- Summarize planning issues and considerations associated with the future configuration of the Southside area of the Airport
- Develop an implementation plan outline the sequencing of facility development and demolition to minimize the disruption to existing facilities

Task 1: Task Management & Administration

Work Element 1.1 – Contract Management

This includes all efforts associated with coordinating this project with the DOA including meetings organization, progress reporting, invoicing, and work plan preparation.

Work Element 1.2 – Kick-off Meeting

A project kickoff meeting will be held in Palm Beach to review the project objectives, discuss the scope of work and associated key tasks, review data collection needs, and discuss the project schedule. This initial on-site meeting will also provide an opportunity to collect existing data and

information and discuss facilities that would need to be demolished and/or replaced because of their conditions and/or lack of compliance with applicable standards (refer to Task 2). It is anticipated that representatives of the DOA Planning and Properties Departments will participate in this meeting so that it addresses their interests and concerns. For budgeting purposes, it is anticipated that two staff members from R&A would participate in this meeting including the Project Manager.

Task 2: Define Gross Facility Requirements

This task will be twofold. The initial task will consist of assessing the facilities that would need to be demolished and/or replaced because of their conditions and/or lack of compliance with applicable standards. This task will be conducted in collaboration with the DOA and based on the data that was collected as part of the West-Side GA/FBO Site Planning study. As part of this task, R&A will also identify those facilities that lack adequate landside access.

Following the identification of the facilities that must be replaced and/or relocated, R&A will determine future facility requirements assuming the facilities to be replaced would need to meet or exceed the DOA's General Aviation Minimum Standards, published in March 2010. This analysis is intended to identify, in general terms, the deficiencies in existing facilities and outline what new or relocated facilities would be required to meet the DOA's General Aviation Minimum Standards and assuming a clear distinction between the airside and landside areas would need to be provided. Future facility requirements will be derived from the following documents:

- General Aviation Minimum Standards, Palm Beach County Department of Airports, March 18, 2010
- Palm Beach County Unified Development Code
- NFPA 409, Standards on Aircraft Hangars, 2011 Edition, Effective July 22, 2010
- Federal Aviation Administration (FAA) AC 150/5300-13, Airport Design
- Transportation Security Administration (TSA), Security Guidelines for General Aviation Airports, Information Publication A-001, May 2004

As part of this task, it is anticipated R&A will determine the following items, providing the foundation for assessing the number of development modules or clusters of general aviation facilities that would be required.

- Aircraft apron requirements (this analysis would only focus on apron area requirements in front of the proposed aircraft hangars. No analysis of transient and/or based aircraft apron area requirements would be conducted as part of this analysis)
- Gross hangars area requirements
- Visitor parking area requirements
- Employee parking area requirements
- Landside roadway access requirements including applicable standards
- Vehicle staging area requirements

R&A shall prepare a Power Point presentation to summarize the results of the facility requirements analysis. The presentation material will be delivered in PowerPoint and PDF format, and no hard copies would be produced by R&A. R&A will participate in one review meeting at the DOA offices

in Palm Beach to present and discuss information compiled and work performed. Following this meeting, R&A shall prepare meeting notes summarizing the items discussed and action items to be addressed by the DOA. Following the review meeting, the facility requirements for the South side area will be refined and finalized, providing the foundation for Task 3.

Task 3: Redevelopment Alternatives

The purpose of this task is to identify redevelopment alternatives with an emphasis on landside access and summarize the planning issues and considerations associated with the future configuration of the South side area of the Airport. These alternatives will provide a mean to assess how the South side of the Airport could be redeveloped and/or improved so that adequate security (mainly perimeter fencing, electronically controlled entry gates, security lighting, and security signage) can be provided. The first step associated with this task will be to determine the critical aircraft for the planning of the South side area including the resulting FAA setback and safety criteria that will serve as the basis for the layout of the proposed airport facilities.

For budgeting purposes, it has been assumed that R&A would prepare three (3) high-level development alternatives for consideration by the DOA. As part of this task, R&A will prepare a brief description of each alternative and assess their relative merits and disadvantages.

These alternatives will focus on the identification of developable land parcels taking into account the existing airfield layout and future landside access. However, no detailed site plans of building layouts or space planning would be developed. The key objective of the alternatives development is to identify and evaluate viable alternatives at the Airport that would provide for the installation of a fence separating the airside and landside areas and preventing individuals from having easy access to the flight line and other airport facilities such as hangars, fuel farm, and navigational aid equipment.

Following the development of the alternatives, R&A will update the presentation prepared under Task 2. A review meeting would also be conducted with the DOA via a web conference session using GoToMeeting or similar software.

For the purpose of this alternative analysis (airside and landside), four general themes will be considered and will constitute the backdrop to the alternatives evaluation. These themes will include:

- **Flexibility:** The development of the South side area of the Airport is likely to be driven by individual tenant's needs. To provide flexibility to changing market conditions and tenants needs, and to allow for the sequential development of facilities, R&A would create development modules that reflect clusters of general aviation facilities (mainly aircraft hangar and apron). These modules would highlight potential general aviation facility development alternatives which could be implemented in the South side development area.
- **Operational performance:** the proposed alternatives should guarantee the efficient transit of aircraft to and from the runway systems. Convenience and efficiency of facility development should also be considered.
- **Compliance:** the alternatives will be developed in compliance with the DOA's GA Minimum Standards and FAA airport design standards, as stipulated in FAA AC 150/5300-13, *Airport Design*.

- Best use: The goal is to develop alternatives that provide adequate landside access while value-maximizing land uses and future development within the airport property.

Following the review meeting, the alternatives will be refined and a preferred development plan will be prepared and presented to the DOA. This plan will be accompanied by a series of planning guidelines and objectives to guide the future development of the South side area of the Airport. The refined alternatives and preferred development plan will be integrated into the Power Point presentation. A review meeting will be conducted with the DOA via a web conference session using GoToMeeting or similar software.

Assumptions and General Comments:

R&A will not investigate the existing site conditions.

Items of Work Not Included in Scope

Site Inventory
Detailed Site Plans of Building Layouts or Space Planning
Tenant Interviews
Cost Estimates
Formal Report or Technical Memorandum
Stakeholder Presentations
Implementation Planning

Supporting Sub-Consultant

None

Data & Resources Required From Palm Beach DOA or Other Parties

Identification of Facilities to be considered for relocation

Deliverables

Draft & Final PowerPoint Presentation (portable document format only)
Draft and Final Technical Memorandum (portable document format only)

Estimated Duration / Completion Date

Eight weeks from issuance of Notice to Proceed

Fee Type and Amount

Fixed Fee - \$23,125.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-17

Task Scope Sheet

Task I-11-LNA-R-045

NCO Wetland Wildlife Hazard Remediation (Supplement #1)

Scope

Palm Beach County Department of Airports (PBCDOA) previously contracted the services of THE LPA GROUP INCORPORATED (CONSULTANT) to prepare a joint state and federal regulatory Environmental Resource Permit (ERP) application to implement wildlife hazard abatement measures. Specifically, the abatement measures involve filling in wetlands that are potential wildlife attractants at North Palm Beach County General Aviation Airport (Airport). Additional tasks that were not part of the original contract are required in association with the Wetland Wildlife Hazard Remediation Project.

The following paragraphs outline the additional environmental services necessary for the Airport Wetland Wildlife Hazard Remediation Project.

TASK 1: MITIGATION PLANNING, MEETINGS, AND COORDINATION

The original Scope of Services included a limited investigation of mitigation for the project. The analysis of wetland mitigation was to be limited to researching two (2) viable concepts for mitigation, including one (1) option that would involve purchase of credits from an established mitigation bank and one (1) option that would investigate the potential for development of a mitigation area off-site (off of Airport property) on County-owned land or on land to be purchased by the County. For the mitigation banking option, the CONSULTANT was to contact mitigation banks in the region with mitigation suitable for the project to obtain cost estimates for mitigation credits on a cost-per-credit basis. For the off-site mitigation option, the CONSULTANT was to coordinate with the South Florida Water Management District (SFWMD), PBCDOA, legal counsel, and the County's Department of Environmental Resources Management regarding desirable potential wetland mitigation property to be considered for acquisition.

Based on data collected on available mitigation options and comments received from the SFWMD and the USACE subsequent to the submittal of the permit application, the CONSULTANT will prepare a memo recommending the most cost effective mitigation option including a preliminary cost of appropriate and available mitigation for the project.

Based on the PBCDOAs final selection of the source of mitigation for the project, the CONSULTANT will prepare a conceptual mitigation plan based on the criteria outlined in the SFWMD and USACE RAIs for the project. The mitigation plan will focus on providing in-kind wetland credits for the wetland types that are to be impacted at the project site (freshwater marsh, wet prairie, and wet flatwoods).

The CONSULTANT will participate in up to seven (7) additional meetings and will coordinate with the representatives of the source of the mitigation credits in order to develop the conceptual mitigation plan. The CONSULTANT will also coordinate with the SFWMD and the USACE as necessary in order to determine sources of mitigation that are permissible.

Assumptions:

1. Attendance at mitigation planning meetings will include but not be limited to coordination meetings with PBCDOA, meetings between PBCDOA and Palm Beach County Parks Department regarding Okechee South Park, and meetings with the SFWMD and USACE concurrently or separately.
2. Where possible, meetings will be scheduled on the same day.
3. The PBCDOA will purchase the wetland mitigation credits that are necessary to compensate for wetland impacts associated with the project.
4. If necessary, mitigation site design including grading and construction plans will be provided under a separate agreement.
5. If necessary, property market value assessment and/or acquisition services will be provided under a separate agreement.

TASK 2: MEETINGS AND COORDINATION

2.1 Coordination with Division of Historical Resources

Typically, coordination with the Florida Department of State-Division of Historical Resources (DHR) is not required for ERP applications. However, as part of SFWMD RAI #1 RAI, SFWMD requested the results of a cultural resources review by the DHR. This effort was not included in the original scope of services. The CONSULTANT will prepare a letter requesting the review and exhibits depicting the project area for submittal to the DHR.

Deliverable:

1. One (1) request for cultural resources compliance review and associated exhibits.

2.2 Agency Meetings and Coordination

The CONSULTANT will attend up to three (3) additional meetings with SFWMD and/or USACE personnel. The consultant will also coordinate as necessary with the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the Florida Fish and Wildlife Conservation Commission, the SFWMD and the USACE.

Deliverables:

1. Meeting minutes for up to three (3) agency meetings.

2.3 Project Team Meetings

The CONSULTANT will attend up to three (3) additional project meetings at the Airport to discuss the project status and the mitigation plan with the CLIENT. The CONSULTANT will also attend up to three (3) additional teleconferences to discuss the project with the CLIENT.

Deliverables:

1. Meeting minutes for up to six (6) meetings with the CLIENT.

TASK 3: CUMULATIVE IMPACT ANALYSIS DATA COLLECTION

Based on coordination with the SFWMD and the USACE, preliminary cumulative impact data collection and GIS analysis will be performed to prepare materials for a meeting with the SFWMD and USACE. The following data will be obtained:

- Ten-digit hydrologic unit code boundaries for Palm Beach County
- SFWMD cumulative impact basin boundary for the South Indian River basin
- Total wetland acreage within the South Indian River basin
- Wetland acreage within the South Indian River basin already protected or part of an existing permit application
- Wetland acreage within the South Indian River basin not protected or not part of an existing permit application

The CONSULTANT will prepare mapping depicting the following elements in order to discuss cumulative impacts:

- Ten-digit hydrologic unit code watersheds
- SFWMD cumulative impact basins
- Loxahatchee wetland mitigation bank
- Okeehetee Park South wetland mitigation area
- Pine Glades wetland restoration area
- Potential wetland acquisition/preservation parcels in the Pal-Mar area

Assumptions:

1. *Based on communication with the USACE and SFWMD, a full cumulative impact analysis will not be required if the mitigation for the project is obtained from Pine Glades Wetland Restoration Area.*
2. *If a full cumulative impact analysis is required, it will be provided under a separate agreement.*

Deliverable:

1. *Cumulative impact mapping for presentation at a meeting with the SFWMD and the USACE.*

TASK 4: RESPONSE TO AGENCY RAIs

One (1) RAI has already been received from the SFWMD and one (1) RAI has already been received from the USACE. Tasks 1 through 3 above include the necessary items for addressing SFWMD RAI #1 and USACE RAI #1 that were not included in the original scope of services. The CONSULTANT will prepare responses for one (1) additional RAI from the SFWMD (SFWMD RAI #2) and one (1) additional RAI from the USACE (USACE RAI #2) that is associated with Tasks 1 through 3 or tasks not included in the original scope of services. For each of the two (2) additional RAIs the CONSULTANT will:

- Review the RAI and research answers
- Prepare the Draft RAI response for submittal to the CLIENT
- Attend one (1) coordination meeting with CLIENT

- Coordinate as needed with CLIENT and legal counsel
- Coordinate w/ the Review Agency that issued the RAI
- Attend 1 coordination meeting with the Review Agency that issued the RAI
- Prepare and submit the Final RAI responses

TASK 5: STORMWATER MODELING

It is anticipated that the SFWMD may request additional information that could only be obtained by modeling the existing and proposed conditions of the stormwater management systems of the two basins affected by the proposed project. If this is necessary, and if the CLIENT directs the CONSULTANT to proceed with the modeling effort, the CONSULTANT will complete the following items to obtain the necessary information to respond to SFWMD:

- Identification of all watershed and subwatershed boundaries
- Field verification of the watershed and subwatershed boundaries
- Preparation of the existing conditions model
- Preparation of the proposed conditions model
- Refinement of the existing and proposed conditions model
- Preparation of the summary drainage report

Assumptions:

1. *Topographic Survey data for the Airport shall be provided by the CLIENT in CADD format.*

Deliverable:

1. *Stormwater modeling data for submittal to SFWMD, if necessary.*
2. *Summary report for submittal to SFWMD, if necessary.*

Items of Work Not Included in Scope

Supporting Sub-Consultant

LPA Group

Data & Resources Required From Palm Beach DOA or Other Parties

TBD

Estimated Duration / Completion Date

LPA will initiate project activities upon receipt of authorization to proceed. LPA anticipates completion of the project within 12 months of authorization to proceed.

Fee Type and Amount

Fixed Fee - \$166,848

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-18

Task Scope Sheet

Task I-11-PBI-R-046

PBI Terminal Chiller & Cooling Tower Replacement Design

Scope

At the request of the Palm Beach County Department of Airports (DOA), the R&A Team completed a Terminal Chiller Replacement Study for the Palm Beach International Airport (PBI). This effort was led by Johnson, Levinson, Ragan, Davila, Inc. (JLRD), with the assistance of Hillers Electrical Engineering, Inc., Schenkel-Shultz Architecture, and TKW Consulting Engineers, Inc. On August 2, 2011, the DOA instructed the R&A Team to commence design services for the full replacement of Terminal Chillers 1, 2 and 3; and the associated cooling towers (1 – 4) at PBI. This will also require modifications to the electrical. This effort will also require the following design elements:

- Widening of the entrance doors to the chiller rooms to allow for removal of the existing chillers and installation of the new ones
- The existing cooling towers have a concrete drainage basin that has structural steel supports. The drainage basin will need to be modified to support the new cooling towers and spalling of the concrete would need to be repaired.
- There is a screening wall around the existing cooling towers that will either be reinforced, replaced or abandoned. Our structural engineer is conducting a cost analysis for each option and their fee is predicated on the assumption that the entire screening wall will be replaced with a taller screening wall (approx. 6 feet taller) that is designed to meet the wind load requirements contained in the current building code.
- Cooling towers must be modified to include handrails/stairs for OSHA compliance.
- Replace chiller controls (optional Task 8 considered in our fee)

The scope of services will generally follow the guidelines in Exhibit A, General Scope of Services, in the Prime Agreement as described below and as shown on them line items in the labor/fee proposal. The architectural and structural design services prescribed herein will be conducted by Colome and Associates, Inc. (C&A) and Master Consulting Engineers, Inc. (MCE), respectively. The mechanical/plumbing design elements will be conducted by JLRD, while Hillers will perform all electrical related design.

Task Management and Administration (Task 1)

Throughout the duration of the chiller and cooling tower design, various activities associated with the management of the design team will occur. The activities include: contract management, coordination with the various subconsultants and the DOA's Contract Management (CM) at Risk contractor.

Work Element 1.1 – Contract Management

This includes all efforts associated with coordinating this project with the DOA including meetings organization, progress reporting, and invoicing.

Work Element 1.2 – Sub-consultant Coordination

Due to the variety of consultants working on this effort, R&A and JLRD will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Work Element 1.3 – Design Coordination with CM at Risk Contractor

The design team will facilitate design coordination meetings with the DOA's CM at Risk Contractor upon completing the 45 and 90 percent design packages. JLRD will be responsible for developing and distributing all agendas, sign-in sheets and meeting notes associated with these meetings.

Work Element 1.4 – Kick-off Meeting with DOA

The design team will meet with DOA staff to discuss various design issues associated with the chillers and cooling towers as it pertains to the scope and installation schedule. JLRD will be responsible for developing and distributing all agendas, sign-in sheets and meeting notes associated with this meeting.

Phase 1: Program Verification/Schematic Design – Not Included

Phase 2: Design Development (30% Design) – Not included

Phase 3: Contract Documents (Tasks 2, 3, and 4)

The R&A Team will proceed with the preparation of 45% level Contract Documents (Phase 3A). A revised cost estimate will also be prepared. This phase will include the preparation of the following design drawings and documents:

- Chiller replacement drawings (JLRD)
- Tower replacement drawings (JLRD)
- Chiller and Cooling Tower Controls drawings (JLRD)
- Electrical design drawings (Hillers)
- Structural/architectural drawings (Colome/MCI)
- Cost Estimates (JLRD/Schenkel-Shultz/TKW/Hillers)
- Technical specifications outline (JLRD)

Deliverables (Phase 3A): The R&A Team will submit 45% contract documents to the DOA for review. Once review comments are received, a formal design review meeting will be conducted with the DOA and one of its CM at Risk contractors.

The R&A Team will then proceed with the preparation of 90% level contract documents (Phase 3B). This will include the advancement of the documents prepared during Phase 3A. It will also include the preparation of the front end documents.

Deliverables (Phase 3B): The R&A Team will submit 90% contract documents to the DOA for review. Once review comments are received, a formal design review meeting will be conducted with the DOA and one of its Construction Management (CM) at Risk contractors. The R&A Team will proceed with

finalizing the project and submit 5 sets of signed and sealed Plans and Specifications to the Owner (Phase 3C). Respond to permit review comments, incorporate changes to documents and resubmit as required.

Phase 4: Bidding and Award of Contract (Task 5)

It is anticipated that the DOA will authorize one of its CM at Risk Contractors to perform all construction and installation activities associated with the replacement of the chillers and cooling towers. The R&A Team will provide basic bidding services on this project as outline in Exhibit A of the Prime Agreement.

1. Assist the DOA in obtaining bids for construction from its CM at Risk contractor.
2. Provide 1 set of Bidding Documents to the CM at Risk Contractor.
3. Respond to CM's written questions and provide assistance to the DOA during the bid phase of the project designed by CONSULTANT.
4. Attend the pre-bid meeting to address issues related to the work designed by CONSULTANT. The CONSULTANT shall prepare pre-bid meeting minutes for distribution to the attending parties.
5. Prepare necessary written clarifications and addenda inclusive of revised plans and specifications and distribute to the CM at Risk Contractor.
6. Review the bid breakdown by specification section, clarifications and any value added engineering suggestions offered by the CM. Participate in a bid review meeting with the DOA and CM to review the CM pricing/clarifications and provide final recommendations to the DOA

Phase 5: Construction Administration (Task 6)

The R&A Team shall perform the following tasks under Phase 5:

1. Prepare One (1) CD and provide 1 hard copy of "Conformed" plans and specifications which include all modifications resulting from permitting and bid phase addenda.
2. Attend the pre-construction meeting to address issues related to the project.
3. Review contractor's shop drawings, certifications, and test results for compliance with the construction documents.
4. Review and approve the contractor's monthly application for payment.
5. Respond to contractor's Requests for Information (RFI's).
6. Provide design consultation for changes in site conditions.
7. Prepare Project Bulletins to address design changes, RFI's and project change orders as may be required.
8. Prepare an ongoing log for RFI's and an ongoing submittal log.
9. Provide bimonthly site observations visits to review the Contractors progress and address issues related to the design; related subconsultants will provide periodic site observations are appropriate to the stage of construction and involvement in the design.
10. Participate in the substantial completion inspection and the final observation.

11. Prepare record of final quantities and provide "Record" drawings on AutoCAD Release 2008 based on redline drawings supplied by the Contractor(s). The "Record" drawings will be provided to the DOA within 30 calendar days of receipt of the redline drawings. The "Record" drawings will be provided in both native AutoCAD and pdf format on two CD's and one (1) full-size set of drawings.

Note: Construction duration estimated to be approximately 6 months with additional 2 months for start-up and completion.

Special Services (Task 7)

Special services will include the following items:

- FAA Form 7460 (R&A)
- Airside Operational Analyses (R&A)

Replace Chiller Controls (Task 8)

This task would include all additional design and construction administration efforts associated with replacing the chiller controls. This would involve:

- Additional field verification
- Additional 45% design
- Additional 90% design
- Plant sequence of operation
- Construction administration – additional shop drawings
- Construction administration – additional RFIs
- Construction administration – verify sequencing

Assumptions and General Comments:

- It is anticipated that the DOA will authorize one of its CM at Risk Contractors to perform all construction and installation activities associated with the replacement of the chillers and cooling towers. Therefore, formal advertising for a competitive bid is not considered in this scope of work.
- Specifications for pre-purchase of major equipment (Chillers, Cooling Towers) will be provided by the Consultant as the design progresses to a state where such requirements can be fully defined.
- Controls work involves incorporation of the new equipment into the existing system; design of a new plant automation system has not been anticipated.
- Commissioning of the installed equipment has not been included, but can be provided as an additional service if commissioning by the design professional is desired.

Items of Work Not Included in Scope

Quality Assurance, RPR, Grant assistance, and Construction Management Plan are not included under this task.

Structural design modifications to existing terminal building.

Supporting Sub-Consultant

Johnson, Levinson, Ragan, Davila, Inc. – lead designer (HVAC systems and controls)

Hillers Electrical Engineering, Inc. - airfield lighting and signage design

Master Consulting Engineers, Inc. – building/structural modifications

Colome & Associates, Inc. – building modifications

Data & Resources Required From Palm Beach DOA or Other Parties

- Existing drawings and similar available system documentation.

Deliverables

- Phase 3A: 45 % design drawings (2 – full size/ 4 - half size), cost estimates, technical specifications, (6 hardcopies of each and one PDF)
- Phase 3B: 90 % design drawings (2 – full size/ 4 - half size), cost estimates, technical specifications/front end documents, (6 hardcopies of each and one PDF)
- Phase 3C: 100 % construction documents (2 – full size/ 4 - half size); cost estimates, technical specifications/front end documents, (6 hardcopies of each and one PDF); 3 additional sets of signed and sealed CDs
- Phase 4: Recommendation of Award; 3 sets of signed and sealed CDs
- Phase 5: One (1) CD and 6 hard copies (2 – full size/ 4 - half size) of Conformed Contract Documents; 3 additional sets of signed and sealed Conformed CDs; two (2) CDs with “Record” Drawings, one (1) full size set of “Record” Drawings

Estimated Duration / Completion Date

- Phase 3A: 35 days + DOA review period
- Phase 3B: 35 days + DOA review period
- Phase 3C: 14 days
- Phase 4: TBD
- Phase 5: TBD

Fee Type and Amount

Fixed Fee - \$398,695.00

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-19

Task Scope Sheet

Task I-11-PBI-R-047	PBI Common Use Business Case, Program Definition Study and Procurement Assistance
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Scope

The Palm Beach County Department of Airports (DOA) would like to develop the infrastructure necessary to adopt common use facilities and equipment at the Palm Beach International Airport (PBI). To facilitate this effort, the R&A Team will perform several tasks to assist the DOA in ultimately developing its program definition and facilitate the procurement activities necessary to implement the initial rollout of its common use program at PBI. The goals of this effort include:

- the conducting of an Airport Common Use Evaluation
- preparing a Common Use Business Case and Program Definition Report
- presenting the report findings to the PBI stakeholders
- documenting and validating Common Use Requirements
- the preparation of a Request for Proposals (RFP) for the initial rollout of common use

The Consultant's work product for this engagement will be based on two sequential phases. The deliverable for Phase 1 will be a Program Definition Report that:

- assesses the DOA's business objectives and requirements
- assesses PBI's existing conditions
- evaluates the common use technologies and industry drivers
- provides a set of recommendations for a common use implementation strategy
- identifies the benefits and risks that could be expected
- conducts a high-level total cost of ownership estimate
- assesses the impact on rates and charges

The deliverable of Phase 2 will be an RFP package for the initial rollout of the common use program. This includes regulatory, business, user, and system requirements and performance specifications for each component of a fully integrated common use system. It will also address the requirements for construction, project management, testing, training, documentation, and warranty. Each task is described further below.

Task 1: Task Management and Administration

Work Element 1.1 – Contract Management

This includes all efforts associated with coordinating this project with the DOA including meetings organization, progress reporting, and invoicing.

Work Element 1.2 – Sub-consultant Coordination

Due to the variety of consultants working on this effort, R&A will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Phase 1: Common Use Business Case and Program Definition Report Development

Common use is a broad topic that covers many areas of the airport and affects airport and airline operations, leases, facilities, and maintenance. In addition, common use technologies have an equally broad impact on agent and passenger check-in applications, supporting technologies such as resource management systems, and the infrastructure required for these systems to operate. In preparing the Report, the Consultant will perform the following tasks to address these issues and those noted in the Scope section above.

Phase 1 is comprised of the following tasks:

Task 2 Project Initiation & Planning

During this task, the Consultant will work with the appropriate DOA staff to ensure that the appropriate interviews and site assessments are conducted during the subsequent sub-tasks. The project initiation and planning effort will serve to accomplish the following:

Subtask 2.1: Define the Project Scope

The Consultant will meet with the DOA project leadership, via teleconference, to identify the stakeholders that will provide input to the data gathering task, discuss the project goals and set expectations about the assessment to be conducted with DOA Stakeholders, and identify the specific individuals who will be interviewed. A formal meeting agenda, sign-in sheet or meeting notes will **not** be prepared for this meeting.

Subtask 2.2: Prepare a Formal Project Schedule

Upon establishing an understanding on specific project expectations, the Consultant will work with the DOA project leadership to schedule an on-site kick-off and data gathering meeting, and determine specific project milestone dates. The Consultant will develop a formal project schedule that will be submitted to the DOA for final approval.

Subtask 2.3: Prepare Kick-Off/ Data Gathering Site Meetings

In preparation for the initial site visit, the Consultant will prepare a kick-off meeting presentation, a list of documentation to be collected and high-level walk-through requirements, and a set of interview surveys, specific to each stakeholder group. The Consultant will submit the documentation request, walk-through requirements, and surveys to the DOA prior to arriving on-site to facilitate the arrangement of meetings and the acquisition of documentation.

Task 3 Data Gathering

The Consultant will collect PBI specific information and industry related information required for the airport common use evaluation. The data gathering effort will serve to accomplish the following:

Subtask 3.1: Conduct Initial Stakeholder Interviews

Once the DOA has established a firm meeting schedule, the Consultant will conduct the stakeholder interviews and site surveys on-site. The Consultant anticipates the following sets of stakeholder interviews:

- DOA Business Related Interviews with Executive Staff:
The Consultant will meet with various executive staff members to gain an understanding of the DOA's approach to business, finance, and marketing, the DOA's passenger processing strategy, vision, and objectives, and the airport operations and maintenance model.
- DOA Operational Related Interviews with Management Staff:
The Consultant will meet various management staff members to gain an understanding of the DOA's desired passenger processing functionality, current infrastructure capabilities and constraints, current facility conditions, and existing system integration requirements and opportunities.
- Airline Stakeholder Interviews:
The Consultant will meet with airline stakeholders to gain an understanding of their business / operations model and technology support and maintenance requirements specifically at PBI and their long-term corporate vision for common use technologies.

Upon Completion of the on-site meetings, the Consultant will prepare a detailed set of meeting notes for each interview, which will be distributed back to the stakeholders for review and validation.

Subtask 3.2: Conduct High-Level Walk-Through

While on-site for the initial stakeholder interviews, the Consultant will conduct a high-level walk-through of the Airport's gate hold rooms, ramp area, check-in lobby, baggage makeup and processing area, and telecommunication spaces. The intent will be to gain an understanding of the specific facility conditions and proposed improvements, such as with the baggage handling system, telecommunications and electrical infrastructure components and conditions, and system configuration aspects that might be associated to the common use strategy. The Consultant will thoroughly document findings during the walk-through, which will be distributed back to the relevant stakeholders for review and validation.

Subtask 3.3: Site Visit Wrap-Up

The Consultant will conduct a site visit wrap-up meeting with the DOA project leadership to discuss the initial findings, review the project vision and scope, and discuss the DOA's desired structure of the final deliverables.

Subtask 3.4: Industry Outreach

The Consultant will gather information about the current state of common use in the airport industry as it relates to the PBI business case. In doing so, the Consultant will conduct research of airports of comparable size and complexity to PBI who are pursuing and/or have implemented similar systems to that which PBI is considering. This will assist PBI in understanding the opportunities that have been leveraged and the lessons that have been learned from peer airports.

Second, the Consultant will prepare an update on the industry associations that are responsible for developing standards and recommended practices impacting common use. The Consultant will research IATA and other standards organizations to establish a current knowledge of industry developments in technology standards, Payment Card Security requirements, and American with Disability Act (ADA) regulations. This will provide PBI with a basis for understanding the background, current initiatives, and anticipated future outcomes of the industry as a whole.

Third, the Consultant will develop a summary of the common use providers' individual solutions with descriptions of the current functional capabilities and expectations for future developments, to the extent that they have been made known. Finally, the Consultant will summarize the other technologies that are related to and/or integrated with a standard common use passenger processing system.

For subtasks 3.1 through 3.3, Consultant will conduct work on-site over a two-day period, using two team members. The Consultant will conduct airline stakeholder interviews in group sessions over the two-day period. Subtask 3.4 will be conducted from the Consultant's office.

Task 4 Airport Common Use Evaluation

The Consultant will conduct a detailed evaluation and analysis of the data gathered from the previous tasks. The evaluation effort will serve to accomplish the following:

Subtask 4.1: Correlate Business Case to Project Requirements

After validating the findings from the data gathering phase, the Consultant will develop a mapping of the DOA business case to project requirements. This will clearly tie each functional requirement that has been defined to the objective that it satisfies. This exercise will identify stated requirements that do not meet business objectives as well as objectives for which requirements have not been addressed.

Subtask 4.2: Outline Common Use Plan and System Requirements/Characteristics

With the business case map as a basis, the Consultant will develop a concept and scope for a common use system that will meet the defined functional requirements. With the scope defined, the Consultant will then create a set of basic technical requirements for the system, including communications infrastructure requirements.

Subtask 4.3: Develop Implementation Strategy

Next, the Consultant will develop the overall approach to completing the project. This will include a high-level project schedule and phasing plan as well as a long-term strategy for integrating the base common-use system with additional supporting or complimentary systems in the future.

Subtask 4.4: Financial Analysis (In coordination with Carolyn Binder, CPA, LLC)

The Consultant will conduct a financial analysis of the recommended common use solution. This will include the development of an opinion of probable cost for the capital investment as well as recurring operations and maintenance expenses, Return on Investment (ROI) analysis, and a recommended charge model that is consistent with the DOA's business model.

Subtasks 4.1 through 4.4 will be conducted from the Consultant's office.

Task 5 Program Definition Report Preparation

Subtask 5.1: Draft Document Preparation

Upon the completion of Tasks 3 and 4, the Consultant will develop a draft Program Definition Report to be presented to the DOA. The structure of the Report will be based on the evaluation criteria noted in Subtasks 4.1 through 4.4. This Report will also include an assessment of the existing conditions and industry outreach. An executive summary and appendices may also be included, depending on need.

Subtask 5.2: Support Internal QA/QC Review and Comment

Prior to submitting the Report to the DOA, the Consultant will conduct a sub Team internal QA/QC review. Review will be conducted to ensure all infrastructure and business requirements have been adequately addressed. The Consultant will then prepare the draft submittal for DOA review.

Subtask 5.3: Support DOA Review and Comment

Upon completion of internal QA/QC, the Consultant will submit the draft Report to the DOA Stakeholders for review and comment, and will incorporate comments as needed. The Consultant will assist the DOA with facilitation of review and comment collection, via teleconference meetings, as may be required by the DOA. The Consultant will collect all comments and present a comment resolution form to the DOA (if required) prior to final incorporation. The draft document will be submitted electronically in portable document file (PDF) format.

Subtask 5.4: Prepare Final Report

After completion of the comment resolution, the Consultant will prepare the final Report for delivery. A total of six hardcopies and one PDF of the final Report will be submitted.

Subtask 5.5: On-Site Presentation

The Consultant will prepare for and conduct an on-site presentation of the results contained in the Report to the DOA Stakeholders. During the meeting, the Consultant will be prepared to discuss the requirements for the Phase 2 work.

Subtasks 5.1 through 5.4 will be conducted at Consultant's office. Subtask 5.5 will be conducted on-site.

Phase 2: RFP Development

Task 6 Requirements Documentation and Validation

For Subtasks 6.1 through 6.3, Consultant will conduct work on-site over a four-day period, using three team members and working interactively with DOA personnel. This assumes airline stakeholder interviews can be conducted in group sessions sufficient to complete interviews over the two-day period.

Subtask 6.1: Conduct Follow-On Stakeholder Interviews

The Consultant will conduct a set of follow-on interviews with DOA Management and Stakeholders to go beyond the currently defined functional and basic technical requirements of the Phase 1 Report,

to define specific detailed requirements. The Consultant will work with the DOA project leadership in setting up meetings to obtain detailed tactical, operational, and user requirements, system performance and project requirements for construction, project management, testing, training, documentation, and warranty. The Consultant will also conduct a more in-depth site walk-through to identify requirements for modifications to telecommunications infrastructure, equipment, and electrical systems.

Subtask 6.2: Develop Requirements Document

Using the information gathered in the follow-on interviews and site walk-through, the Consultant will develop a requirements document that defines assumptions, constraints, and dependencies. The requirements document will categorize each specific requirement as regulatory, business, user, or system.

- Regulatory requirements will address restrictions on the system or project as well as licenses and laws that have impact.
- Business requirements will be further categorized as strategic, tactical or operational.
- Strategic requirements will support the DOA's quantitative goals from the executive perspective.
- Tactical requirements will define interoperability among the DOA's individual divisions from the middle management perspective.
- Operational requirements will address productivity and efficiency from the staff management perspective.
- User requirements will define the needs that the end user has for accomplishing their duties.
- System requirements will be further categorized as functional and nonfunctional.
- Functional requirements will address the system's functional capabilities in order to meet the business requirements, where nonfunctional requirements will define operational characteristics and support needs.

Upon categorizing each requirement, the Consultant will document the basis for each requirement. This will include documenting who defined each requirement and why, reference to the goals that each requirement satisfies, and how each requirement will be evaluated for accomplishing its intent. In addition, the Consultant will develop a map that indicates a clear and explicit connection from each requirement to its business need and its resulting deliverable.

Subtask 6.3: Validate Requirements

The Consultant will conduct a requirements validation workshop with Stakeholders via a web-conference. During this workshop, the Consultant will review each requirement to ensure that Stakeholders agree on its validity and resolve conflicting requirements as needed.

Task 7 RFP Development

For Subtasks 7.1 through 7.3, work will be conducted at Consultant's office.

Subtask 7.1: Develop Performance Specifications

The Consultant will develop a set of Performance Specifications that addresses each component of a fully integrated common use system with respect to each of the previously validated requirements. In addition, the Consultant will develop schematic drawings that show the logic and flow of the system architecture and the active and passive network components as well as infrastructure drawings that indicate telecommunications infrastructure requirements.

Subtask 7.2: Define Project Requirements

The Consultant will develop a set of Project Requirements that identify the DOA's specific expectations for construction, project management, testing, training, documentation, and warranty.

Subtask 7.3: Prepare RFP Package

The Consultant will develop a draft RFP package that incorporates the Performance Specifications, the Project Requirements, Proposer submittal requirements, Evaluation Criteria, and the DOA's standard Terms and Conditions. The draft RFP will be submitted to the internal team QA/QC for review and comment, and comments will be incorporated as needed. The draft will then be submitted to the DOA Stakeholders in PDF format for review and comment. The Consultant will incorporate the comments from the DOA Stakeholders and finalize the RFP Package. The final RFP package will be submitted in MSWord format.

Assumptions and General Comments

The scope described above is bound by the following assumptions:

- Recommendations will be based on clearly defined requirements from both Airport and Airline stakeholders
- No major construction will be required to implement the resulting recommendations
- Recommendations are based on a total budget of \$1.5 million
- No work is accounted for beyond development of the RFP package.

Items of Work Not Included in Scope

The scope described above does not include the following items:

- Detailed infrastructure assessment (work by sub-consultant)
- Final design services
- Bid Support services beyond development of RFP

Supporting Sub-Consultants

Barich, Inc.
Hillers Electrical Engineering, Inc.
Carolyn Binder, CPA, LLC
American Infrastructure Development, Inc.

Data & Resources Required From Palm Beach DOA or Other Parties

The following documentation is requested if available:

- Terminal Layout Drawings
- Gate and Ticket Counter Assignments
- Sample Lease Agreement
- Rates and Charges

- Shared/Joint Use Agreements
- Flight Schedules
- Baggage Handling System Drawings and Specifications
- Passive and Active Infrastructure Drawings and Specifications
- Cabling Standards
- Infrastructure Use Standards

Time will be needed from the following Stakeholders for interviews, workshops, and document review sessions:

- DOA Stakeholders:
 - Planning Director (approximately 4 hours total)
 - Finance Director (approximately 4 hours total)
 - Operations Director (approximately 8 hours total)
 - Technology Executive / Management (approximately 16 hours total)
 - Properties Management (approximately 4 hours total)
 - Marketing Management (approximately 4 hours total)
 - Maintenance Management (approximately 4 hours total)
- Airline Stakeholders:
 - Station Managers (approximately 4 hours total)
 - Corporate Technology (approximately 4 hours total)

Deliverables

Phase 1: Common Use Business Case and Program Definition Report

Phase 2: Bid Solicitation – Request For Proposal, including performance specifications

Estimated Duration / Completion Date

5 months from issuance of Notice to Proceed

- This duration is based on an estimated nine weeks for Phase 1 and twelve weeks for Phase 2.
- This duration includes minimal slack for coordination of meetings with stakeholders and is subject to delays based on the time needed for stakeholder review of Phase 1 and authorization to proceed with Phase 2.

Fee Type and Amount

Fixed Fee – \$194,410

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-I-20

Task Scope Sheet

Task I-11-PBI-R-048	NCO Rail Spur Alternatives (Supplement #1 – Civil and Wetland Mitigation)
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Scope

At the request of the Palm Beach County Department of Airports (DOA), Ricondo & Associates, Inc. (R&A) engaged the services of R.W. Summers to identify and evaluate three potential rail spur concepts for the North Palm Beach County General Aviation Airport (NCO). Although this effort included the development of rough order of magnitude (ROM) cost estimates for each of the rail concepts, the estimating of costs associated with grading, drainage and wetland mitigation were not included in the original scope of services.

Upon receipt of the ROM estimates from R.W. Summers, the DOA has requested that the costs associated with Concepts 1 and 2 be expanded to include consideration for the grading, drainage and wetland mitigation. To facilitate this effort, R&A has engaged American Infrastructure Development, Inc. (AID) and Cyriaks Environmental Consulting Services, Inc. (CECOS) to prepare an opinion of probable costs for Rail Spur Concept 2.

This effort is comprised of two tasks as described below:

Task 1 Task Management and Administration

Sub-task 1.2 Contract Management

This includes all efforts associated with coordinating this project with the DOA including meetings, organization, progress reporting, invoicing and issuing of purchase orders to sub-consultants.

Sub-task 1.2 Sub-consultant Coordination

Due to the variety of consultants working on this effort, R&A will conduct both intermittent and regularly scheduled coordination meetings with the study team. No formal agendas or meeting notes will be prepared or distributed for these internal coordination meetings.

Task 2 Supplemental Cost Estimates

Sub-task 2.1: Assemble Documents and Basemaps

R&A will obtain all relevant documents pertaining to the analyses necessary to estimate the site preparation and wetland mitigation efforts. Topographical and wetland maps will be collected and superimposed on the NCO Airport Layout Plan basemaps by R&A and distributed to both sub-consultants.

Sub-task 2.2: Estimate Quantities for Civil Site Work

AID will prepare a high level estimate of quantities for various site related components. These estimates will consider clearing and grubbing, erosion control, earthwork, drainage infrastructure, and sodding. To accomplish this, AID will establish a conceptual vertical alignment of the preferred

rail alternative and create a digital terrain model (DTM) to determine estimated quantities for earthwork and drainage infrastructure.

Sub-task 2.3: Wetland Impact Estimates

AID will develop a graphic to demonstrate the limits of construction associated with the propose rail alignment. This information will be utilized by CECOS to verify the limits of disturbance for quantifying primary and secondary wetland impacts, and resulting mitigation needs. CECOS will also research the wetland impact criteria for NCO and consult with LPA to determine the probably UMAM scores for the impacted wetlands and appropriate buffer for secondary impacts.

Sub-task 1.4: Technical Memorandum

R&A will assemble and summarize the various cost estimates prepared by the three sub-consultants. This information will be documented in a technical memorandum and submitted to the DOA in a portable document format (PDF) file.

Items of Work Not Included in Scope

Geotechnical testing
Stormwater modeling
Topographical or wetland boundary surveys
Field verification of wetland impacts or UMAM scores
Agency coordination

Supporting Sub-Consultant

American Infrastructure Development – Conceptual DTM and cost estimates for grading and drainage
Cyriaks Environmental Consulting Services – Preliminary wetlands impact evaluation and mitigation cost estimates

Data & Resources Required From Palm Beach DOA or Other Parties

American Infrastructure Development, Inc. – Cost estimating and project fragmentation support for project elements associated with the Airfield Improvement Project

Deliverables

Rough order of magnitude cost estimate for NCO Rail Spur Option #2
Graphical depiction of rail spur alignment with limits of disturbance
Transmittal letter outlining assumptions for wetland mitigation and permitting costs

Estimated Duration / Completion Date

Two weeks from the Notice to Proceed

Fee Type and Amount

Fixed Fee - \$17,089

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-II

R&A Work Program #4 - Level 2 Tasks

Level 2 tasks include any work effort agreed to between the COUNTY and the CONSULTANT that has a fixed scope and fee. Work Program #4 includes one task assigned to Level 2.

Task II-11-DOA-R-002

2011 Annual Facilities Inspection

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-II-1

Task Scope Sheet

Task II-11-DOA-R-002

2011 Annual Facilities Inspection

Scope

The Consultant shall conduct an Annual Airports Facilities Inspection for the Palm Beach International Airport, Palm Beach County North County General Aviation Airport, Palm Beach County Park Airport (Lantana), Palm Beach County Glades Airport (Pahokee). Specific items to be addressed shall include inspection and reporting services for buildings and structures on the airport property. The report shall identify items which need to be repaired, upgraded or replaced. There shall be interviews completed with maintenance staff to verify items that need to be addressed and a visual inspection shall be made to determine the general condition of the buildings at the four airports. Visual inspection shall be limited to the identification of survey items that are readily accessible to the CONSULTANT. Inspection shall not include disturbance or removal of any structures. Recommendations shall be made for proposed repair work, and cost estimates of the deficiencies and recommended items shall be provided. Photographs of deficiencies shall also be included for reference. All items shall be noted in the same format as the 2009 Annual Airport Facilities Inspection Report and the estimates shall be approximate costs for items that will be based on current available 2011 cost information provided by manufacturers and contractors.

Specific scope by discipline consists of the following for the four-airport facilities:

I. Architectural

Visual inspection of the facilities will be completed and based on the visual inspection, provide a summary of facility condition, and an inventory of components with deficiencies, and rate their condition. Life-safety building code violations found pursuant to the Building Code, and/or other applicable codes, should be identified as a deficiency. Should a code violation be found, identify code with section number, and include appropriate excerpt in the appendix of the report.

The Consultant shall also note the general condition of the building's appearance, i.e., cleanliness, untidiness, and if abuse of the facility is evident. The Consultant shall include a cost estimate reflecting any clean up operation required rectifying the conditions.

A list of facilities that will be included in the architectural inspection include:

Palm Beach International Airport

- Building 846
- Terminal Building
- Short Term Parking Garage
- Long Term Parking Garages
- ARFF Building
- Air Freight Building 1300

- Airfield Lighting Vault
- U.S. Customs Building 1612
- Revenue Building 1250

Lantana

- Trailer 950
- Electrical Vault
- Building 1101

Pahokee

- Terminal Building
- Main Hangar & T-Hangars Buildings

North County General Aviation Airport

- Terminal Building
- All T-Hangar and Maintenance Hangar Facilities
- Electrical Vault

II. Civil

A visual assessment of each of the sites and preparation of a condition assessment for civil and site related items (horizontal construction) at the four Palm Beach County Airports shall be provided. The format for documenting the information will be provided by the Architect for incorporation within the Architect's Assessment Report. Architect shall coordinate Schedule and information documentation as part of Architect's basic services and incorporate same as part of the Architect's Report.

III. Structural

A visual assessment of the facilities and preparation of a condition assessment for structural related components at the four Palm Beach County Airports shall be provided. The format for documenting the information will be provided by the Architect for incorporation within the Architect's Assessment Report. Architect shall coordinate Schedule and information documentation as part of Architect's basic services and incorporate same as part of the Architect's Report.

IV. Mechanical/ Plumbing/ Fire Protection

A visual assessment of the facilities and preparation of a condition assessment for mechanical, plumbing, fire protection equipment/systems at the four Palm Beach County Airports shall be provided. The format for documenting the information will be provided by the Architect for incorporation within the Architect's Assessment Report. Architect shall coordinate Schedule and information documentation as part of Architect's basic services and incorporate same as part of the Architect's Report.

V. Electrical

A visual assessment of the facilities and preparation of a condition assessment for electrical systems and components at the four Palm Beach County Airports shall be provided. The format for

documenting the information will be provided by the Architect for incorporation within the Architect's Assessment Report. Architect shall coordinate Schedule and information documentation as part of Architect's basic services and incorporate same as part of the Architect's Report.

REPORT

The report shall contain the following sections and information:

Table of Contents- including the following:

- Site Plan
- Location Plan
- Individual Report sections for each of the four airports

Narrative description of items of concern

Tabular lists (individual sections for each discipline) shall include the following information:

- Item of concern
- Action code noting relative urgency of repair work
- Item condition description
- Projected year for repair
- Item location/description
- Suggested action
- Professional discipline for directing repairs
- Photo reference (if any)
- Estimated repair cost
- Action taken (reserved for DOA use)
- Supplemental comment section (for items that do not conform to Tabular punch list)

Appendix- list of DOA documents and code excerpts used during the course of the Project or referenced in the report.

Color photographs of items of concern (color for final reports only; black and white photos acceptable for draft reports).

Schematic airport site plans shall locate and identify items of concern noted in the report.

In addition, provide an electronic version of the final report. The electronic version shall be submitted on CD-ROM for the DOA's use. Each copy of the electronic version of the report will contain a file that is an index of each of the files in the report and a description of what data the respective files contain. The DOA shall provide electronic files of the most recent facilities inspection report for the development of the report document.

Items of Work Not Included in Scope

- Additional Topographic Survey
- Geotechnical Services
- Non-destructive testing
- Identification or abatement design for hazardous materials
- Elevator inspection

- Field verification of existing concealed conditions
- Airside (taxiways/taxilanes, aircraft parking apron or GSE storage areas) and landside pavement areas (e.g. roadways, runways, taxiways, etc.) not directly serving (or adjacent to) any of the facilities included in this scope of work

Supporting Sub-Consultant

Schenkel Shultz, Inc. - Architectural

Master Consulting Engineers, Inc. - Structural

AID, Inc. - Civil

Hillers Electrical Engineering, Inc. - Electrical

Johnson Levinson Ragan Davila, Inc. - Mechanical/Plumbing/Fire Protection

Data & Resources Required From Palm Beach DOA or Other Parties

None

Deliverables

Draft and Final Annual Facilities Inspection Reports

Estimated Duration / Completion Date

120 Days from Issuance of NTP

Fee Type and Amount

Fixed Fee - \$149,307

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT A-III

R&A Work Program #4 - Level 3 Tasks

Level 3 tasks include dedicated allowance accounts that the COUNTY establishes for miscellaneous consulting services that may be required on an as needed basis. This initial work effort prescribed for Work Program #4 includes three accounts assigned to Level 3.

<u>Task No.</u>	<u>Description</u>
Task III-11-DOA-R-007	Miscellaneous Financial Consulting Services
Task III-11-DOA-R-008	Miscellaneous Architectural, Engineering, Planning and Construction Services
Task III-11-DOA-R-009	Miscellaneous Environmental Consulting Services

A not-to-exceed labor and expense allowance of Five Hundred Thousand Dollars (\$400,000) is provided for additional services performed under Tasks III-11-DOA-R-007, III-11-DOA-R-008, and III-11-DOA-R-009. A separate proposal or authorization is to be required for services provided during this task. This is to serve as a record keeping arrangement for the performance of miscellaneous architectural, planning, engineering, and construction services not included under Task I or II. Billing will be on a lump sum or hourly basis as approved by the COUNTY with lump sum and/or reimbursable expenses listed, all charges against Tasks III-11-DOA-R-007, III-10-DOA-R-008, and III-10-DOA-R-009 as established in this contract.

PALM BEACH COUNTY GENERAL CONSULTING SERVICES

EXHIBIT B

DETAILED FEES, EXPENSES, AND PAYMENTS

A detailed labor and fee estimate for R&A and each of its primary team members are also provided in **Tables B-1** through **B-18**.

Table B-1
Labor/Fee Estimate Summary (Ricordo & Associates) - Work Program #4

Task Description	Labor Estimate (Hours)									Fee Estimate (\$)			
	Officer	Director / Project Manager	Managing Consultant	Senior Consultant	Consultant	Technical Specialist	Admin.	Construction Field Engineer	Total	Labor	Expenses	Sub-consultant Expense	Total
Level 1 Tasks:													
PBI:													
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	16	0	0	0	0	8	0	24	\$ 4,200	\$ -	\$ 38,555	\$ 42,755
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	48	134	0	0	0	0	18	0	200	\$ 43,260	\$ 3,600	\$ -	\$ 46,860
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	24	144	0	0	0	0	4	0	172	\$ 38,580	\$ 330	\$ 482,307	\$ 521,217
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	4	0	1	0	0	1	0	6	\$ 1,130	\$ 55	\$ 4,760	\$ 5,945
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	18	0	2	0	0	4	0	24	\$ 4,860	\$ -	\$ 30,940	\$ 35,800
I-11-PBI-R-040 PBI Airplane Design Group VVI Compliance Review	0	26	6	89	60	16	1	0	188	\$ 29,710	\$ 890	\$ 18,518	\$ 49,118
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	4	67	0	2	0	0	8	0	81	\$ 16,965	\$ 940	\$ 120,176	\$ 138,081
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	10	16	65	0	0	1	0	92	\$ 15,200	\$ -	\$ -	\$ 15,200
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	1	14	0	2	0	0	3	0	20	\$ 3,930	\$ 610	\$ 20,385	\$ 24,925
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	80	2	70	0	56	10	0	218	\$ 34,990	\$ 2,785	\$ 360,920	\$ 398,695
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	6	62	4	4	0	8	18	0	100	\$ 18,660	\$ 1,275	\$ 174,475	\$ 194,410
PHK:													
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	14	56	0	2	0	0	10	0	82	\$ 17,090	\$ 2,784	\$ 103,097	\$ 122,971
I-11-PHK-R-035 Apron Pavement Design	16	106	0	0	0	0	96	0	218	\$ 34,970	\$ 1,775	\$ 129,001	\$ 165,746
NCO:													
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	14	49	0	2	0	0	14	0	79	\$ 15,815	\$ 2,980	\$ 82,990	\$ 101,785
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	68	0	0	0	8	18	0	94	\$ 17,370	\$ 2,710	\$ 74,433	\$ 94,513
I-11-NCO-R-046 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	20	0	2	0	0	4	0	26	\$ 5,110	\$ 250	\$ 161,488	\$ 166,848
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	14	0	15	2	0	1	0	32	\$ 5,800	\$ -	\$ 11,289	\$ 17,089
LNA:													
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	4	30	0	2	0	0	26	0	62	\$ 9,990	\$ 2,000	\$ 98,000	\$ 109,990
I-11-LNA-R-038 LNA Wildlife Hazard Assessments	0	68	0	0	0	8	17	0	93	\$ 17,295	\$ 3,210	\$ 79,460	\$ 99,965
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	21	38	70	0	0	4	0	133	\$ 22,525	\$ 600	\$ -	\$ 23,125
Subtotal - Level 1 Tasks													
	131	1,007	66	328	62	96	284	0	1,954	\$ 357,250	\$ 26,784	\$ 1,990,194	\$ 2,374,228
Level 2 Tasks:													
I-11-DOA-R-002 2011 Annual Facilities Inspections	2	38	0	2	0	0	8	0	50	\$ 9,950	\$ 220	\$ 139,137	\$ 149,307
Subtotal - Level 2 Tasks													
	2	38	0	2	0	0	8	0	50	\$ 9,950	\$ 220	\$ 139,137	\$ 149,307
Level 3 Tasks:													
I-11-DOA-R-008 Miscellaneous AEP Services												\$ -	\$ -
I-11-DOA-R-009 Miscellaneous Environmental Consulting Services												\$ -	\$ -
I-11-DOA-R-010 Miscellaneous Financial Services												\$ -	\$ -
Subtotal - Level 3 Tasks													
	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Grand Total - Level 1, 2 and 3 Tasks													
	133	1,045	66	330	62	96	272	0	2,004	\$ 367,200	\$ 27,014	\$ 2,129,331	\$ 2,523,545
Allowance Accounts:													
I-11-DOA-R-007 Miscellaneous Financial Services												\$ 150,000	\$ 150,000
I-11-DOA-R-008 Miscellaneous AEP Services												\$ 200,000	\$ 200,000
I-11-DOA-R-009 Miscellaneous Environmental Consulting												\$ 50,000	\$ 50,000
Subtotal Allowances:													
												\$ 400,000	\$ 400,000
Grand Total:													
												\$ 2,925,545	\$ 2,925,545

Sources: RAA Team
Prepared by: Ricordo & Associates, Inc.

Table B-2
Labor/Fee Estimate Summary (Schenkel-Shultz) - Work Program #4

Task Description	Labor Estimate (Hours)								Fee Estimate (\$)		
	Program Director II	Project Director	Project Architect	Architect	Spec. Writer	Job Site Inspector	Clerical	Total	Labor	Expenses	Total
Level 1 Tasks:											
PBI:											
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	67	0	0	16	0	154	0	237	\$ 33,480	\$ 5,075	\$ 38,555 *
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	16	0	0	0	0	0	16	\$ 2,560	\$ 250	\$ 2,810
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-040 PBI Airplane Design Group VAVI Compliance Review	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	160	0	278	0	56	192	24	710	\$ 96,160	\$ 8,800	\$ 104,960
I-11-PBI-R-042 PBI Signature (NAJlets) Site Plan Review	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
PHK:											
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
NCO:											
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
LNA:											
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks	227	16	278	16	56	346	24	963	\$ 132,200	\$ 14,125	\$ 146,325
Level 2 Tasks:											
II-11-DOA-R-002 2011 Annual Facilities Inspections	24	102	154	112	0	0	28	420	\$ 52,340	\$ 17,840	\$ 70,180 *
Subtotal - Level 2 Tasks	24	102	154	112	0	0	28	420	\$ 52,340	\$ 17,840	\$ 70,180
Level 3 Tasks:											
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 3 Tasks	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
Grand Total	251	118	432	128	56	346	52	1,383	\$ 184,540	\$ 31,965	\$ 216,505

* Of the \$38,555 budget allocated to Schenkel-Shultz for the Terminal Flooring Supplement, \$7,575 will be performed by Ramski & Company, a certified DBE consultant.
 * Of the \$79,870 budget allocated to Schenkel-Shultz for the Annual Facilities Inspections, \$8,837 will be performed by CMI, both certified DBE consultants.
 * Of the \$104,960 budget allocated to Schenkel-Shultz for the Terminal Flooring Phase 2 Installation, \$28,000 will be performed by Ramski & Company, a certified DBE consultant.

Source: Schenkel-Shultz Architecture
 Prepared by: Ricondo & Associates, Inc.

Table B-3

Labor/Fee Estimate Summary (Colome) - Work Program #4

Billing Rate: \$ 125 \$ 110 \$ 70 \$ 40

Task Description	Labor Estimate (Hours)					Fee Estimate (\$)		
	Principal	Project Manager	Architectural		Total	Labor	Expenses	Total
			Drafting	Clerical				
Level 1 Tasks:								
PBI:								
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	2	18	12	0	32	\$ 3,070	\$ -	\$ 3,070
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	7	86	42	14	149	\$ 13,835	\$ -	\$ 13,835
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	4	44	34	9	91	\$ 8,025	\$ 450	\$ 8,475
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	\$ -	\$ -	\$ -
PHK:								
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	\$ -	\$ -	\$ -
NCO:								
I-11-NCO-R-036 NCO Taxiway D Extension Design Phase Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	\$ -	\$ -	\$ -
LNA:								
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks	13	148	88	23	272	\$ 24,930	\$ 450	\$ 25,380
Level 2 Tasks:								
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 2 Tasks	0	0	0	0	0	\$ -	\$ -	\$ -
Level 3 Tasks:								
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 3 Tasks	0	0	0	0	0	\$ -	\$ -	\$ -
Grand Total	13	148	88	23	272	\$ 24,930	\$ 450	\$ 25,380

Source: Colome and Associates, Inc.
Prepared by: Ricondo & Associates, Inc.

Table B-4
Labor/Fee Estimate Summary (Hillers Electrical) - Work Program #4

Billing Rate: \$ 105 \$ 95 \$ 95 \$ 90 \$ 75 \$ 70 \$ 40

Task Description	Labor Estimate (Hours)							Fee Estimate (\$)			
	Project Manager	Senior Engineer	Professional Engineer	Project Engineer	Field Engineer	Cadd Tech.	Clerical	Total	Labor	Expenses	Total
Level 1 Tasks:											
PBI:											
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	82	239	597	0	333	79	1,330	\$	110,695	\$ - \$ 110,695
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	7	15	0	0	0	12	0	34	\$	3,000	\$ - \$ 3,000
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	67	0	336	380	824	172	144	1,923	\$	160,995	\$ - \$ 160,995
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	29	0	144	280	0	136	28	617	\$	52,565	\$ - \$ 52,565
PHK:											
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	59	0	296	388	0	114	70	927	\$	80,015	\$ - \$ 80,015
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	\$	\$	\$
NCO:											
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	11	0	41	51	0	24	20	147	\$	12,120	\$ - \$ 12,120
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	\$	\$	\$
LNA:											
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	9	0	28	18	36	4	12	107	\$	9,045	\$ - \$ 9,045
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 1 Tasks											
	182	97	1,084	1,714	860	795	353	5,065	\$	428,435	\$ - \$ 428,435
Level 2 Tasks:											
II-11-DOA-R-002 2011 Annual Facilities Inspections	23	0	72	168	0	0	44	307	\$	26,135	\$ - \$ 26,135
Subtotal - Level 2 Tasks											
	23	0	72	168	0	0	44	307	\$	26,135	\$ - \$ 26,135
Level 3 Tasks:											
III-11-DOA-R-008 Miscellaneous AEP Services									\$		\$
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services									\$		\$
III-11-DOA-R-010 Miscellaneous Financial Services									\$		\$
Subtotal - Level 3 Tasks											
	0	0	0	0	0	0	0	0	\$		\$
Grand Total											
	205	97	1,156	1,882	860	795	397	5,392	\$	454,570	\$ - \$ 454,570

Source: Hillers Electrical Engineering, Inc.
 Prepared by: Ricondo & Associates, Inc.

Table B-5

Labor/Fee Estimate Summary (Big Sky) - Work Program #4

Billing Rate: \$ 221 \$ 207 \$ 99 \$ 74 \$ 68									
Task Description	Labor Estimate (Hours)					Fee Estimate (\$)			
	Program Manager / Sr. Project Manager	Telecom Engineer	CADD Designer	CADD Drafter	Technician I - Contract Administrator	Total	Labor	Expenses	Total
Level 1 Tasks:									
PBI:									
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	848	62	902	445	6	2,263	\$ 323,418	\$ 28,200	\$ 351,618
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-040 PBI Airplane Design Group VAV Compliance Review	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	\$ -	\$ -	\$ -
PHK:									
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	\$ -	\$ -	\$ -
NCO:									
I-11-NCO-R-036 NCO Taxiway D Extension Design Phase Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	\$ -	\$ -	\$ -
LNA:									
I-11-LNA-R-038 LNA Misc. Pavement Design Supplemental CA Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks	848	62	902	445	6	2,263	\$ 323,418	\$ 28,200	\$ 351,618
Level 2 Tasks:									
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 2 Tasks	0	0	0	0	0	0	\$ -	\$ -	\$ -
Level 3 Tasks:									
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 3 Tasks	0	0	0	0	0	0	\$ -	\$ -	\$ -
Grand Total	848	62	902	445	6	2,263	\$ 323,418	\$ 28,200	\$ 351,618

Source: Big Sky, Inc.

Prepared by: Ricondo & Associates, Inc.

Table B-6

Labor/Fee Estimate Summary (JLRD) - Work Program #4

Task Description	Labor Estimate (Hours)									Fee Estimate (\$)			
	Expert Witness	Principal	Project			Designer	Draftsperson	Clerical	Total	Labor	Expenses	Total	
			Engineer	Engineer	Senior Designer								
Level 1 Tasks:													
PBI:													
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	24	82	0	0	0	12	3	121	\$	15,760	\$	15,760
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-042 PBI Signature (NatJets) Site Plan Review	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	1	4	23	0	27	0	0	0	0	\$	6,550	\$	6,550
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	181	561	0	280	12	472	38	1,544	\$	160,490	\$	160,490
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	0	\$	\$	\$	
PHK:													
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	0	\$	\$	\$	
NCO:													
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	0	\$	\$	\$	
LNA:													
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-038 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 1 Tasks													
	21	208	666	0	307	12	484	41	1,665	\$	182,600	\$	182,600
Level 2 Tasks:													
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	10	104	0	0	0	0	0	114	\$	15,320	\$	15,422
Subtotal - Level 2 Tasks													
	0	10	104	0	0	0	0	0	114	\$	15,320	\$	15,422
Level 3 Tasks:													
III-09-DOA-R-002 Miscellaneous Financial Services										\$	\$	\$	
III-09-DOA-R-003 Staff Extension										\$	\$	\$	
III-09-DOA-R-004 Miscellaneous Environmental Consulting										\$	\$	\$	
Subtotal - Level 3 Tasks													
	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Grand Total													
	21	219	770	0	307	12	484	41	1,779	\$	198,120	\$	198,222

Source: Johnson, Levinson, Ragan, Devila
Prepared by: Ricondo & Associates, Inc.

Table B-7

Labor/Fee Estimate Summary (Barich) - Work Program #4

Task Description	Labor Estimate (Hours)				Fee Estimate (\$)				
	Principal Consultant	Senior Consultant	Communications Consultant	Network Engineer	Total	Labor	Expenses	Total	
Level 1 Tasks:									
PBI:									
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-040 PBI Airplane Design Group V/WI Compliance Review	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	220	247	79	24	570	\$	102,260	\$ 6,900	\$ 109,160
PHK:									
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	\$	\$	\$	
I- Sub-Consultant Management & Coordination	0	0	0	0	0	\$	\$	\$	
NCO:									
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	\$	\$	\$	
LNA:									
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 1 Tasks									
	220	247	79	24	570	\$	102,260	\$ 6,900	\$ 109,160
Level 2 Tasks:									
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 2 Tasks									
	0	0	0	0	0	\$	\$	\$	
Level 3 Tasks:									
III-11-DOA-R-008 Miscellaneous AEP Services						\$	\$	\$	
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services						\$	\$	\$	
III-11-DOA-R-010 Miscellaneous Financial Services						\$	\$	\$	
Subtotal - Level 3 Tasks									
	0	0	0	0	0	\$	\$	\$	
Grand Total									
	220	247	79	24	570	\$	102,260	\$ 6,900	\$ 109,160

Source: Barich and Associates, Inc.
 Prepared by: Ricondo & Associates, Inc.

Table B-8

Labor/Fee Estimate Summary (TKW) - Work Program #4

Billing Rate: \$ 150

Task Description	Labor Estimate (Hours)		Fee Estimate (\$)		
	Project Manager / Engineer II	Total	Labor	Expenses	Total
Level 1 Tasks:					
PBI:					
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	13	13	\$ 1,950	\$ -	\$ 1,950
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	\$ -	\$ -	\$ -
PHK:					
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	\$ -	\$ -	\$ -
I-11-PHK-R-035 Apron Pavement Design	0	0	\$ -	\$ -	\$ -
NCO:					
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	\$ -	\$ -	\$ -
LNA:					
I-11-LNA-R-038 LNA Misc. Pavement Design Supplemental CA Services	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks					
	13	13	\$ 1,950	\$ -	\$ 1,950
Level 2 Tasks:					
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	\$ -	\$ -	\$ -
Subtotal - Level 2 Tasks					
	0	0	\$ -	\$ -	\$ -
Level 3 Tasks:					
III-09-DOA-R-002 Miscellaneous Financial Services					
III-09-DOA-R-003 Staff Extension					
III-09-DOA-R-004 Miscellaneous Environmental Consulting					
Subtotal - Level 3 Tasks					
	0	0	\$ -	\$ -	\$ -
Grand Total					
	13	13	\$ 1,950	\$ -	\$ 1,950

Source: TKW Consulting Engineers, Inc.
Prepared by: Ricondo & Associates, Inc.

Table B-9
Labor/Fee Estimate Summary (MCE) - Work Program #4

Task Description	Labor Estimate (Hours)								Fee Estimate (\$)		
	Principal	Senior Associate	Project Manager	Senior Engineer	Project Engineer	Technician / CAD Operator	Admin.	Total	Labor	Expenses	Total
Level 1 Tasks:											
PBI:											
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	4	0	22	0	32	24	0	82	\$ 8,510	\$	\$ 8,510
I-11-PBI-R-040 PBI Airplane Design Group VVI Compliance Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	40	0	40	19	110	65	4	278	\$ 30,960	\$	\$ 30,960
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	\$	\$	\$
PHK:											
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	\$	\$	\$
NCO:											
I-11-NCO-R-036 NCO Taxiway D Extension Design Phase Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	\$	\$	\$
LNA:											
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 1 Tasks	44	0	62	19	142	89	4	360	\$ 39,470	\$	\$ 39,470
Level 2 Tasks:											
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	14	0	14	0	0	0	28	\$ 3,990	\$ 150	\$ 4,140
Subtotal - Level 2 Tasks	0	14	0	14	0	0	0	28	\$ 3,990	\$ 150	\$ 4,140
Level 3 Tasks:											
III-09-DOA-R-002 Miscellaneous Financial Services	0	0	0	0	0	0	0	0	\$	\$	\$
III-09-DOA-R-003 Staff Extension	0	0	0	0	0	0	0	0	\$	\$	\$
III-09-DOA-R-004 Miscellaneous Environmental Consulting	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 3 Tasks	0	0	0	0	0	0	0	0	\$	\$	\$
Grand Total	44	14	62	33	142	89	4	388	\$ 43,460	\$ 150	\$ 43,610

Source: Master Consulting Engineers, Inc.
 Prepared by: Ricoondo & Associates, Inc.

Table B-10

Labor/Fee Estimate Summary (American Infrastructure Development) - Work Program #4

Billing Rate: \$ 169 Senior Engineer \$ 156 Senior Designer \$ 93 Designer \$ 77 Senior Technician \$ 67 Technician \$ 61 Clerical \$ 59

Task Description	Labor Estimate (Hours)								Fee Estimate (\$)		
	Project Manager	Senior Engineer	Senior Designer	Designer	Senior Technician	Technician	Clerical	Total	Labor	Expenses	Total
Level 1 Tasks:											
PBI:											
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	102	0	0	0	0	0	34	136	\$ 19,244	\$ 750	\$ 19,994
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	66	0	0	82	0	0	0	148	\$ 17,468	\$ 1,050	\$ 18,518
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	78	0	0	0	0	0	26	104	\$ 14,716	\$ 500	\$ 15,216
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations Planning & Programming	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	10	20	0	0	0	0	20	50	\$ 5,990	\$	\$ 5,990
PHK:											
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	96	0	0	0	72	0	26	194	\$ 22,582	\$ 500	\$ 23,082
I-11-PHK-R-035 Apron Pavement Design	46	0	0	0	0	0	4	50	\$ 8,010	\$ 900	\$ 8,910
NCO:											
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	68	98	180	0	0	104	74	524	\$ 54,230	\$ 2,300	\$ 56,530
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	6	25	0	0	0	0	0	31	\$ 4,914	\$	\$ 4,914
LNA:											
I-11-LNA-R-038 LNA Misc Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal Level 1 Tasks											
	472	143	180	82	72	104	184	1,237	\$ 147,154	\$ 6,000	\$ 153,154
Level 2 Tasks:											
II-11-DOA-R-002 2011 Annual Facilities Inspections	88	0	56	0	0	0	20	164	\$ 21,260	\$ 2,000	\$ 23,260
Subtotal Level 2 Tasks											
	88	0	56	0	0	0	20	164	\$ 21,260	\$ 2,000	\$ 23,260
Level 3 Tasks:											
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	0	0	\$	\$	\$
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	0	0	\$	\$	\$
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal Level 3 Tasks											
	0	0	0	0	0	0	0	0	\$	\$	\$
Grand Total											
	560	143	236	82	72	104	204	1,401	\$ 168,414	\$ 8,000	\$ 176,414

Source: American Infrastructure Development, Inc.
Prepared by: Ricondo & Associates, Inc.

Table B-11

Labor/Fee Estimate Summary (Loomacres) - Work Program #4

Task Description	Labor Estimate (Hours)					Fee Estimate (\$)		
	Program Manager	Senior Biologist	Field Biologist	Admin.	Total	Labor	Expenses	Total
	Billing Rate: \$ 123 \$ 196 \$ 60 \$ 42							
Level 1 Tasks:								
PBI:								
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	\$ -	\$ -	\$ -
PHK:								
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	\$ -	\$ -	\$ -
NCO:								
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	30	72	495	29	626	\$ 41,520	\$ 20,333	\$ 61,853
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	\$ -	\$ -	\$ -
LNA:								
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	30	88	580	34	732	\$ 48,366	\$ 18,514	\$ 66,880
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks								
	60	160	1,075	63	1,358	\$ 89,886	\$ 38,847	\$ 128,733
Level 2 Tasks:								
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 2 Tasks								
	0	0	0	0	0	\$ -	\$ -	\$ -
Level 3 Tasks:								
III-11-DOA-R-008 Miscellaneous AEP Services								
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services								
III-11-DOA-R-010 Miscellaneous Financial Services								
Subtotal - Level 3 Tasks								
	0	0	0	0	0	\$ -	\$ -	\$ -
Grand Total								
	60	160	1,075	63	1,358	\$ 89,886	\$ 38,847	\$ 128,733

Source: Loomacres Wildlife Management
 Prepared by: Ricondo & Associates, Inc.

Table B-12
Labor/Fee Estimate Summary (CECOS Environmental) - Work Program #4

Task Description	Labor Estimate (Hours)							Fee Estimate (\$)			
	Project Manager	Senior	Environmental	Environmental	Environmental	GIS Analyst	Admin.	Total	Labor	Expenses	Total
		Scientist II	Scientist	Analyst							
Level 1 Tasks:											
PBI:											
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations Planning & Programming	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	\$	\$	\$
PHK:											
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	\$	\$	\$
NCO:											
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	2	8	2	0	0	2	14	\$ 1,500	\$ -	\$ 1,500	
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	12	0	16	120	0	4	152	\$ 12,580	\$ -	\$ 12,580	
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	24	18	0	0	5	1	48	\$ 6,375	\$	\$ 6,375	
LNA:											
I-11-LNA-R-038 LNA Misc. Pavement Design Supplemental CA Services	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	12	0	16	120	0	4	152	\$ 12,580	\$	\$ 12,580	
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 1 Tasks	50	26	34	240	5	11	366	\$ 33,035	\$ -	\$ 33,035	
Level 2 Tasks:											
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 2 Tasks	0	0	0	0	0	0	0	\$	\$	\$	
Level 3 Tasks:											
III-11-DOA-R-008 Miscellaneous AEP Services											
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services											
III-11-DOA-R-010 Miscellaneous Financial Services											
Subtotal - Level 3 Tasks	0	0	0	0	0	0	0	\$	\$	\$	
Grand Total	50	26	34	240	5	11	366	\$ 33,035	\$ -	\$ 33,035	

Source: CECOS Environmental
 Prepared by: Ricondo & Associates, Inc.

Table B-13

Labor/Fee Estimate Summary (Brown & Phillips) - Work Program #4

Billing Rate: \$ 125 \$ 85 \$ 80 \$ 132 \$ 115

Task Description	Labor Estimate (Hours)					Total	Fee Estimate (\$)		
	Professional	Survey Tech.	Cadd Tech	3-Man Field Crew	2-Man Field Crea		Labor	Expenses	Total
Level 1 Tasks:									
PBI:									
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements Design Phase Services	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group VVI Compliance Review	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations Planning & Programming	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	\$	\$	\$
PHK:									
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	\$	\$	\$
I-11-PHK-R-035 Apron Pavement Design	8	23	15	0	30	76	\$ 7,605	\$ 1,800.00	\$ 9,405
NCO:									
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	7	13	12	0	36	68	\$ 7,080	\$ -	\$ 7,080
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	\$ -	\$ -	\$ -
LNA:									
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	\$ -	\$ -	\$ -
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 1 Tasks									
	15	36	27	0	66	144	\$ 14,685	\$ 1,800	\$ 16,485
Level 2 Tasks:									
I-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 2 Tasks									
	0	0	0	0	0	0	\$ -	\$ -	\$ -
Level 3 Tasks:									
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	\$ -	\$ -	\$ -
Subtotal - Level 3 Tasks									
	0	0	0	0	0	0	\$ -	\$ -	\$ -
Grand Total									
	15	36	27	0	66	144	\$ 14,685	\$ 1,800	\$ 16,485

Source: Brown and Phillips, Inc.
Prepared by: Ricondo & Associates, Inc.

Table B-14

Labor/Fee Estimate Summary (Carolyn Binder, CPA, LLC) - Work Program #4

Billing Rate: \$ 130

Task Description	Labor Estimate (Hours)		Fee Estimate (\$)		
	CPA	Total	Labor	Expenses	Total
Level 1 Tasks:					
PBI:					
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements Design Phase Services	0	0	\$	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	\$	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations Planning & Programming	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	\$	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	52	52	\$	6,760	\$ 6,760
PHK:					
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	\$	\$	\$
I-11-PHK-R-035 Apron Pavement Design	0	0	\$	\$	\$
NCO:					
I-11-NCO-R-036 NCO Taxiway D Extension Design Phase Services	0	0	\$	\$	\$
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 Cost Estimates)	0	0	\$	\$	\$
LNA:					
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	0	\$	\$	\$
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	\$	\$	\$
Subtotal - Level 1 Tasks	52	52	\$	6,760	\$ 6,760
Level 2 Tasks:					
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	\$	\$	\$
Subtotal - Level 2 Tasks	0	0	\$	\$	\$
Level 3 Tasks:					
III-11-DOA-R-008 Miscellaneous AEP Services					
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services					
III-11-DOA-R-010 Miscellaneous Financial Services					
Subtotal - Level 3 Tasks	0	0	\$	\$	\$
Grand Total	52	52	\$	6,760	\$ 6,760

Source: Carolyn Binder, CPA, LLC
 Prepared by: Ricondo & Associates, Inc.

Table B-15

Labor/Fee Estimate Summary (R.W. Armstrong) - Work Program #4

Billing Rate: \$ 230 \$ 188 \$ 143 \$ 91

Task Description	Labor Estimate (Hours)					Fee Estimate (\$)		
	Director	Sr. Project Manager	Senior Engineer	Sr. Cadd Tech.	Total	Labor	Expenses	Total
Level 1 Tasks:								
PBI:								
I-11-PBI-R-029 PBI Term. Flooring Supplemental CA & Design Services	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group V/VI Compliance Review	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	\$	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	\$	\$	\$
PHK:								
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	\$	\$	\$
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	\$	\$	\$
NCO:								
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	\$	\$	\$
LNA:								
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	13	95	108	126	342	\$ 47,760	\$ 300	\$ 48,060
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	\$	\$	\$
Subtotal - Level 1 Tasks: 13 95 108 126 342 \$ 47,760 \$ 300 \$ 48,060								
Level 2 Tasks:								
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	\$	\$	\$
Subtotal - Level 2 Tasks: 0 0 0 0 0 \$ \$ \$								
Level 3 Tasks:								
III-11-DOA-R-008 Miscellaneous AEP Services								
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services								
III-11-DOA-R-010 Miscellaneous Financial Services								
Subtotal - Level 3 Tasks: 0 0 0 0 0 \$ \$ \$								
Grand Total: 13 95 108 126 342 \$ 47,760 \$ 300 \$ 48,060								

Source: R.W. Armstrong & Associates, Inc.

Prepared by: Ricondo & Associates, Inc.

Table B-16

Labor/Fee Estimate Summary (Tierra) - Work Program #4

Billing Rate: \$ 145 Senior \$ 125 Engineer \$ 115 Staff Engineer \$ 85 Engineering Technician \$ 65 Engineering Technician \$ 60 Drafter / CADD \$ 60

Task Description	Labor Estimate (Hours)							Fee Estimate (\$)				
	Principal Engineer (P.E.)	Senior Geotechnical Engineer	Engineer	Staff Engineer	Senior Engineering Technician	Engineering Technician	Drafter / CADD	Total	Labor	Expenses	Total	
Level 1 Tasks:												
PBI:												
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-040 PBI Airplane Design Group V/V1 Compliance Review	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2 Installation)	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-043 PBI Terminal Restroom Renovations Planning & Programming	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	\$	\$	\$	
PHK:												
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PHK-R-035 Apron Pavement Design	6	28	12	6	140	0	5	197	\$	15,660	\$ 10,695	\$ 26,355
NCO:												
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	2	4	8	2	20	0	4	40	\$	3,420	\$ 2,340	\$ 5,760
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	\$	\$	\$	
LNA:												
I-11-LNA-R-038 LNA Misc. Pavement Design - Supplemental CA Services	0	30	0	0	0	110	0	140	\$	10,350	\$ 30,545	\$ 40,895
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 1 Tasks												
	8	62	20	8	160	110	9	377	\$	29,430	\$ 43,580	\$ 73,010
Level 2 Tasks:												
II-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 2 Tasks												
	0	0	0	0	0	0	0	0	\$	\$	\$	
Level 3 Tasks:												
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services												
III-11-DOA-R-010 Miscellaneous Financial Services												
III-10-DOA-R-007 Miscellaneous Financial Consulting Services												
Subtotal - Level 3 Tasks												
	0	0	0	0	0	0	0	0	\$	\$	\$	
Grand Total												
	8	62	20	8	160	110	9	377	\$	29,430	\$ 43,580	\$ 73,010

Source: Tierra South Florida
Prepared by: Ricondo & Associates, Inc.

Table B-17
Labor/Fee Estimate Summary (BND Engineers) - Work Program #4

Task Description	Billing Rate									Fee Estimate (\$)		
	\$ 240 \$ 140 \$ 137 \$ 179 \$ 132 \$ 100 \$ 69 \$ 66									Labor	Expenses	Total
	Principal	Sr. Project Manager	Project Manager	Principal Engineer	Senior Engineer	Junior Engineer	Cadd Tech.	Technical Specialist	Total			
Level 1 Tasks:												
PBI:												
I-11-PBI-R-029 PBI Terminal Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-040 PBI Airplane Design Group VVI Compliance Review	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2) Installation	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-042 PBI Signature (NetJets) Site Plan Review	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PBI-R-047 PBI Common Use Business Case and Program Definition Study	0	0	0	0	0	0	0	0	0	0	\$	\$
PHK:												
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	0	0	\$	\$
I-11-PHK-R-035 Apron Pavement Design	0	0	138	0	245	170	165	0	718	\$	79,631	\$ 4,700 \$ 84,331
NCO:												
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	0	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	0	\$	\$	\$
LNA:												
I-11-LNA-R-038 LNA Misc Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-039 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	\$	\$	\$
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 1 Tasks	0	0	138	0	245	170	165	0	718	\$	79,631	\$ 4,700 \$ 84,331
Level 2 Tasks:												
I-11-DCA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 2 Tasks	0	0	0	0	0	0	0	0	0	\$	\$	\$
Level 3 Tasks:												
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	0	0	0	\$	\$	\$
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	0	0	0	\$	\$	\$
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	0	0	0	\$	\$	\$
Subtotal - Level 3 Tasks	0	0	0	0	0	0	0	0	0	\$	\$	\$
Grand Total	0	0	138	0	245	170	165	0	718	\$	79,631	\$ 4,700 \$ 84,331

Source: BND Engineers, Inc.
 Prepared by: BND Engineers, Inc.

Table B-18

Labor/Fee Estimate Summary (LPA Group) - Work Program #4

Billing Rate: \$ 201 \$ 171 \$ 171 \$ 144 \$ 108 \$ 108 \$ 108 \$ 62 \$ 76

Task Description	Labor Estimate (Hours)									Fee Estimate (\$)				
	Program Manager	Project Manager	Senior Scientist	Engineer	Environmental Designer	Designer	GIS	Environmental Technician /	Clerical	Total	Labor	Expenses	Total	
Level 1 Tasks:														
PBI:														
I-11-PBI-R-029 PBI Term. Flooring - Supplemental CA & Design Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-030 PBI PFC Use Application Preparation 10-12-U-00-PBI	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-032 PBI Security Enhancements - Design Phase Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-033 PBI Roof Leak Investigation (Concourse C Security Checkpoint)	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-034 PBI Terminal Air Handler Unit Replacement Concepts Analysis	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-040 PBI Airplane Design Group VAV Compliance Review	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-041 PBI Terminal Flooring (Phase 2) Installation	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-042 PBI Signatures (Netlets) Site Plan Review	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-043 PBI Terminal Restroom Renovations - Planning & Programming	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-046 PBI Terminal Chiller & Cooling Tower Replacement Design	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PBI-R-047 PBI Common Use Buildings Cost and Program Definition Study	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
PHK:														
I-11-PHK-R-031 PHK Airfield Electrical Upgrades	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-PHK-R-035 Apron Pavement Design	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
NCO:														
I-11-NCO-R-036 NCO Taxiway D Extension - Design Phase Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-037 NCO Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-NCO-R-045 NCO Wetland Wildlife Hazard Remediation (Supplement #1)	25	12	159	427	231	94	32	198	28	1,206	\$	152,674	\$ 8,814	\$ 161,488
I-11-NCO-R-048 NCO Rail Spur Alternatives (Supplement #1 - Cost Estimates)	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
LNA:														
I-11-LNA-R-035 LNA Misc. Pavement Design - Supplemental CA Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-036 LNA Wildlife Hazard Assessments	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
I-11-LNA-R-044 LNA Southside Redevelopment Plan	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 1 Tasks														
	25	12	159	427	231	94	32	198	28	1,206	\$	152,674	\$ 8,814	\$ 161,488
Level 2 Tasks:														
I-11-DOA-R-002 2011 Annual Facilities Inspections	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 2 Tasks														
	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Level 3 Tasks:														
III-11-DOA-R-008 Miscellaneous AEP Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
III-11-DOA-R-009 Miscellaneous Environmental Consulting Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
III-11-DOA-R-010 Miscellaneous Financial Services	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Subtotal - Level 3 Tasks														
	0	0	0	0	0	0	0	0	0	0	\$	\$	\$	
Grand Total														
	25	12	159	427	231	94	32	198	28	1,206	\$	152,674	\$ 8,814	\$ 161,488

Source: LPA Group
Prepared by: LPA Group

12-0186

BUDGET AMENDMENT
 BOARD OF COUNTY COMMISSIONERS
 PALM BEACH COUNTY, FLORIDA

Page 1 of 1 pages

Fund 4111 Airport Improvement and Development Fund

Advantage Document Numbers:
 BGEX 110711*288
 BGRV 110711*98

Use this form to provide budget for items not anticipated in the budget.

ACCT. NUMBER	ACCOUNT NAME	ADOPTED BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 11/10/11	REMAINING BALANCE
Revenues								
121-A107-3104	Federal Grant Capital Transportation	0	0	555,728		555,728		
Total Receipts and Balances		<u>166,132,349</u>	<u>167,472,030</u>	<u>555,728</u>	<u>0</u>	<u>168,027,758</u>		
Expenditures								
121-A107-6505	Design/Eng Mgmt-Cip Admin	6,390,018	6,342,244		0	6,342,244	3,976,112	2,366,132
121-A900-9909	Reserve Improvement Programs	22,695,087	22,481,387	555,728	0	23,037,115		
Total Appropriations & Expenditures		<u>166,132,349</u>	<u>167,472,030</u>	<u>555,728</u>	<u>0</u>	<u>168,027,758</u>		

	Signatures	Date	By Board of County Commissioners
OFMB			At Meeting of
INITIATING DEPARTMENT/DIVISION	<i>CM Squin</i>	11/10/11	December 6, 2011
Administration/Budget Department Approval	<i>[Signature]</i>	11/17/11	Deputy Clerk to the Board of County Commissioners
OFMB Department - Posted			

Attachment #

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