

CA No. 5

Vendor No. 430041

Contract No. 9760

Effective Date _____

**LEE COUNTY PORT AUTHORITY
LOQ 23-05 General Architectural and Engineering Services
CONTRACT AMENDMENT (CA)**

Upon the completion and execution of this Contract Amendment, signed by both parties, the parties acknowledge the following work will be performed in accordance with the Contract. The intent of this Contract Amendment is to amend the scope, time or dollars of the contract work. *No work should be performed without the execution of a written Task Authorization, which shall serve as a Notice To Proceed with the work.* All the covenants terms, conditions, provisions and contents of the original Contract, as amended, shall be and are applicable to this Contract Amendment unless specifically identified herein.

Description of work: RSW – Baggage Handling System Improvements

(1) Reasons for Amendment:

- | | |
|---|--|
| <input type="checkbox"/> Programmed CIP Project(s) | <input type="checkbox"/> Budgeted Task/Work |
| <input type="checkbox"/> Unforeseen Site Conditions | <input type="checkbox"/> Error/Omission in Plans/Specs |
| <input type="checkbox"/> Design Change | <input type="checkbox"/> Owner Requested |
| <input type="checkbox"/> Safety Considerations | <input type="checkbox"/> Cost Benefit to Project |
| <input checked="" type="checkbox"/> Other: <u>Improvement</u> | |

(2) Method of Negotiating Price of Work

- ☒ Lump Sum
☐ Time and Materials
☐ Unit Prices
☐ Hourly plus expenses
☐ Other _____


Method of Negotiating Time of Work:

- ☐ Consultant/Contractor Records
☐ Cost plus fixed fee
☐ Force Account

(3) Acceptance

It is understood and agreed that the execution and acceptance of this CA constitutes agreement by both parties to amend the Contract in accordance with the represented work and/or conditions. It shall be understood between both parties that this Amendment shall not be effective until approval from the FAA and/or FDOT has been obtained, if required.

MICHAEL BAKER INTERNATIONAL, INC. ARCHITECT/ENGINEER ACCEPTANCE

DocuSigned by:
R. Mark Pitchford  12/6/2023
C267E1091316417...

FDOT: N/A FAA: N/A
FDOT Representative FAA Representative

Approved as to Form: _____
Port Attorney

LEE COUNTY PORT AUTHORITY AUTHORIZATION

☐ By: N/A
Deputy Executive Director or Designee

☒ Board Item By: _____
Chair - Lee County Port Authority Board of Port Commissioners

EXHIBIT A – SUBCONSULTANT/SUBCONTRACTOR INFORMATION**CA No. 5**

The CONSULTANT or CONTRACTOR intends to engage the following subconsultant(s) and/or subcontractor(s) to assist in providing and performing the services, tasks, or work required under this Contract Amendment. At any time during the performance of work outlined in this Contract Amendment that the subconsultant(s)/subcontractor(s) identified below change, such change should be sent in writing to the LCPA. Only those subconsultants(s)/subcontractor(s) whereby prior written notification has been given to the LCPA are allowed to perform work under this Contract Amendment.

It is the responsibility of the CONSULTANT or CONTRACTOR to ensure that all subconsultants and/or subcontractors are properly licensed and insured prior to initiating any work in accordance with this contract.

(If none, enter the word "none" in the space below.)

Service or Work to be Performed	Name, Address, Phone and e-mail of Individual or Firm	Estimated Dollar Value of Subcontracted Work	DBE, WBE, or MBE (yes or no)	If Yes, Estimated Dollar Value of DBE/WBE/MBE Work
Consulting	BNP & Associates 1408 N. Westshore Blvd. Suite 305 Tampa, FL 33607	\$148,279.00	No	
Engineering	Advanced Systems Engineering 13555 Automobile Blvd. #300 Clearwater, FL 33762	\$48,870.00	No	

Contract Amendment Number: 5

Task Authorization Number: 5

		Board		Total	CA Issued						
		Approved		Project	\$100,000 Level						
		Contract		Budget	Maximum	Current		A/E		Subcontractor	
					\$1,000,000	Contract				TAs	
				This						Pending	
				Contract							
#	Task Description	Amount	Adjustments	Adjustment	FY 22-23	Value	Fee	Fee	Issued	TAs	
1	FMY - AGIS Survey Update				\$ 41,599.06	\$ 41,599.06	\$ 7,096.56	\$ 34,502.50	\$ 41,599.06		
2	FMY - FAA Airspace Exhibit Form				\$2,887.82	\$ 2,887.82	\$ 2,887.82		\$ 2,887.82		
3	FMY - ARFF/Maintenance Buildings Alternative Analysis				\$ 58,680.74	\$ 58,680.74	\$ 41,180.74	\$ 17,500.00	\$ 58,680.74		
4	RSW - Cargo Ramp Hangar Evaluation				\$4,852.91	\$ 4,852.91	\$ 4,852.91		\$ 4,852.91		
5	RSW - BHS Improvements			\$236,612.00		\$ 236,612.00	\$ 39,463.00	\$ 197,149.00			\$236,612.00
6	RSW - Bollards Renderings					\$ 18,667.00	\$ 4,176.00	\$14,491.00			\$18,667.00
7											
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18											
19											
20											
Subtotal		\$0.00	\$0.00	\$236,612.00	\$108,020.53	\$363,299.53	\$99,657.03	\$263,642.50	\$108,020.53	\$255,279.00	

*Board-approved Level 4 - \$100,000

EXHIBIT A - SCOPE OF WORK

RSW-BHS Improvements

Lee County Port Authority (LCPA)

Project Background:

Southwest Florida International Airport (RSW) has an existing-Legacy Baggage Handling system (BHS) that is aging and in need of some select upgrades to improve the BHS system's efficiency as outlined in the BNP Associates, Inc. *BHS Improvements Study Report, Revision 4*, dated September 14, 2023, attached. LCPA has asked Michael Baker International (CONSULTANT) to provide the necessary Design Phase Services for the following tasks outlined in the above noted report, to include the following items:

Task / Proposed Solution	Description	Solutions
1.1	Upgrade PLCs to L83	Repair issue with hot backup scan issue
1.2	Install Ethernet IP DLR	Build robust backbone for BHS PLCs
1.3	Install Hot Backup hardware	Restore switching hardware between chassis to allow for more robust failover
1.4	Replace HMI in field MCPs	Bring to current the field HMI for O&M to use for BHS Troubleshooting and resolution
1.5	Install Switches/Panels	Housekeeping hardware for new Ethernet IP backbone
2	Convert Pier Line 4 to Carousel	Replace existing Pier 4 with Flat Plate Carousel
3	Replace G&T (PFD) with Siemens (HSD II)	Replace current PFD paddle belting with correct belting type, PLC logic change to correct baggage gapping at PFD, Bump out addition to security spur lines, exhaust excessive heat in and around EDS machines (per PFD)
4	Reprogram take-a-way merge (Reverse merges)	Reprogram unnecessary, only belting speed adjustments

Sub-Tasks specifically excluded from this Scope of Work:

5 (Report Task)	Identify safer utilization of Pier Line 7	Relocate and reconfigure the ST1 and ST3 West Outbound Sortation Systems).
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Scope Organization

This scope of work has been divided into the following Tasks, listed in chronological order. Project Management spans across the entire project.

Task 0: Project Management/Meetings

Task 0.1: Management/Project Administration

Task 0.1: Kick Off Meeting

Task 0.2: Progress Meetings-On site Meetings
(3 Meetings)

Task 0.3: Progress Meetings-Virtual Meetings
(6 Meetings)

Task 0.4: Estimate of Probable Costs

Task 0.5: A/E Reports

Task 0.6: TSA Coordination Virtual Meetings
(2 Meetings)

Task 1: Misc. BHS Improvements

Task 1.1 – Scope Detail

Task 1.2 - Upgraded Controls Design

Task 1.3 - Specifications

Task 1.4 - QA/QC

Task 2: Convert Pier Line 4 to Carousel

Task 2.1- Design Drawings

Task 2.2- Drafting

Task 2.3- Site Survey

Task 2.4 - Specifications

Task 2.5 - QA/QC

Task 3: Replace G&T (PFD) With Siemens (HSD II)

Task 3.1 - Phasing/Contingency Plans

Task 3.2 - Specifications

Task 3.3 - QA/QC

Task 4: Reprogram Take-a-way Merge (Reverse Mergers) (LLC)

Task 4.1 – Reprogram Design

Task 4.2 - Specifications

Task 4.3 - QA/QC

Task 0 – Project Management/Meetings:

0.1 Client Coordination and Contract Management

CONSULTANT will maintain communications and coordination with LCPA, and the Project Stakeholders. All coordination shall be directed through, or copied to, the LCPA Project Manager. This task includes the internal management of the contract including accounting, cost tracking, billing, filing, and record keeping over the project duration. CONSULTANT will monitor and control budget and schedule. CONSULTANT will coordinate subconsultant activities and process subconsultant invoices as well as prepare, submit, and track invoices to LCPA. This task includes development of the milestone

submittal Estimates of Probable Costs and A/E Reports on the progress of work, meeting agendas, and meeting notes for the meetings anticipated as outlines in the details labor spread sheet. There are specific number of onsite and virtual meetings included with this proposal. The scope of work includes coordination with TSA to inform them of the improvements being implemented to the BHS system and the exhaust improvements to the EDS Machines, however, does not include the development or completion of a Basis of Design Report or BHS design Alternatives for TSA approval.

Deliverables: Invoices with progress reports (pdf format), meeting agendas and notes (bullet point-pdf format), Estimate of Probable Costs for each Milestone 30, 90 & 100 percent submittals.

Task 1 – Misc. BHS Improvements:

CONSULTANT will prepare the necessary Design and Bidding Documents incorporating the following improvements to the existing BHS system. The improvements and related work will be phased to ensure minimal disruption to the Airport's existing operations.

Task 1.1 - Upgrade PLCs to L83

CONSULTANT will prepare the Design and Bid Documents to repair the existing BHS issue with the hot backup scan.

Task 1.2 - Install Ethernet IP DLR

CONSULTANT will prepare the Design and Bid Documents to build a robust backbone for BHS PLCs.

Task 1.3 - Hot Backup Hardware

CONSULTANT will prepare the Design and Bid Documents to restore the switching hardware between chassis to allow for more robust failover.

Task 1.4 - Replace HMI In Field MCPs

CONSULTANT will prepare the Design and Bid Documents to upgrade and bring to current BHS standards the field-HMI (Human Machine Interface) for the Airport's Operations and Maintenance Department to use for BHS Troubleshooting and resolution.

Task 1.5 - Install Switches/Panels

CONSULTANT will prepare the Design and Bid Documents to include improvements for the housekeeping hardware for a new Ethernet IP backbone.

Task 1.6 – Specifications

CONSULTANT will prepare the Design and Bid Documents/Specifications and performance criteria for the Task 1.1-1.5 improvements noted above.

Task 1.7- QA/QC

CONSULTANT will conduct a QA/QC internal peer review of the document deliverables for each milestone submittal and conduct Blue Beam Revu sessions with the Airport and Project Stakeholders to review the progress of work.

Deliverables: Design Drawings and Bid documents with A/E progress reports (pdf format), Review sessions with Airport Staff and Project Stakeholders including meeting agenda and notes (bullet point-pdf format), and Estimate of Probable Costs for each Milestone 30, 90 & 100 percent submittals.

Task 2 - Convert Pier Line 4 to Carousel:

Task 2.1 – Renovation Drawings for Pier/Carousel Conversion

CONSULTANT will prepare the Design and Bid Documents to convert the Pier 4 straight conveyor to a Flat Plate Carousel. This shall include the development of phasing and implementation drawings for this change. Electrical Design Drawings will be prepared for the electrical upgrades required for the new conveyor by Advanced Systems Engineering (ASE). This will include a new steel protective bollard rail at the perimeter of the new conveyor and traffic-directional signage for tugs.

Task 2.2 – Specifications

CONSULTANT will prepare the Design and Bid Documents/Specifications and performance criteria for the Task 2.1 improvements & renovations.

Task 2.3- QA/QC

CONSULTANT will conduct a QA/QC internal peer review of the document deliverables for each milestone submittal and conduct Blue Beam Revu sessions with the Airport and Project Stakeholders to review the progress of work.

Deliverables: Design Drawings and Bid Documents with A/E progress reports (pdf format), Review sessions with Airport Staff and Project Stakeholders including meeting agendas and notes (bullet point-pdf format), and Estimate of Probable Costs for each Milestone 30, 90 & 100 percent submittals.

Task 3- Replace G&T (PFD) with Siemens (HSD II) & EDS Exhaust Upgrades:

Task 3.1 – Renovation Drawings for BHS Improvements

CONSULTANT will prepare the Design and Bid Documents to replace the current PFD paddle belting with the correct belting type, PLC logic change to correct baggage gapping at PFD, metal bump out additions to security spur lines, and new duct work for direct exhaust of excessive heat in and around EDS machines (per PFD) This shall include the development of phasing and implementation drawings for the changes required. The new exhaust ductwork and side wall louvers for the EDS Machines, make-up air to eliminate any negative pressure from the new EDS exhausts, through wall louvers/vents and related HVAC and ventilation work will be provided by Advance System's Engineering (ASE).

Task 3.2 – Specifications

CONSULTANT will prepare the Design and Bid Documents/Specifications and performance criteria for the Task 3.1 improvements & renovations.

Task 3.3- QA/QC

CONSULTANT will conduct a QA/QC internal peer review of the document deliverables for each milestone submittal and conduct Blue Beam Revu sessions with the Airport and Project Stakeholders to review the progress of work.

Deliverables: Design Drawings and Bid documents with A/E progress reports (pdf format), Review sessions with Airport Staff and Project Stakeholders including meeting agendas and notes (bullet point-pdf format), and Estimate of Probable Costs for each Milestone 30, 90 & 100 percent submittals.

Task 4- Reprogram Take-a-way Merge (Reverse Merges):

Task 4.1 – Renovation Drawings for BHS Improvements

CONSULTANT will prepare the Design and Bid Documents to reprogram the take-a-way merges (reverse merges). This shall include the development of phasing and implementation drawings for the changes required. Complete reprogramming of the BHS system is unnecessary, only re-programming required for belting speed adjustments is required to be completed by the BHS Contractor.

Task 4.2 – Specifications

CONSULTANT will prepare the Design and Bid Documents/Specifications and performance criteria for the Task 4.1 improvements & renovations.

Task 4.3- QA/QC

CONSULTANT will conduct a QA/QC internal peer review of the document deliverables for each milestone submittal and conduct Blue Beam Revu sessions with the Airport and Project Stakeholders to review the progress of work.

Deliverables: Design Drawings and Bid documents with A/E progress reports (pdf format), Review sessions with Airport Staff and Project Stakeholders including meeting agendas and notes (bullet point -pdf format), and Estimate of Probable Costs for each Milestone 30, 90 & 100 percent submittals.

Schedule

A detailed schedule is provided below. This schedule assumes a Contract Amendment execution date of no later than February 2024. The detailed-labor-hour fee estimate is based on this schedule.

TASK	DESCRIPTION	TASK START	TASK END
0	Project Management	Throughout	
1	Misc. BHS Improvements	February 2024	July 2024

2	Convert Pier Line 4 to Carousel	February 2024	July 2024
3	Replace G&T (PFD) with Siemens (HSD II) & EDS Exhaust Upgrades	February 2024	July 2024
4	Reprogram Take-a-way Merge (Reverse Merges)	February 2024	July 2024
5	Estimated Overall Duration	30 Weeks	

Fee

Compensation is in the attached fee sheet. The fee for this task is a lump sum amount.

Total Lump Sum Fee: \$ 236,612

Assumptions and Exclusions

- Services excluded from this scope:
 - Sub task 5.0 in BNP's report of recommended BHS improvements is not included in the scope of work.
 - The Airport will provide Record Drawings of the HVAC system and the Electrical system required for implementation of the BHS improvements
 - Updates or confirmation of existing As-Built Documents
 - Development of construction contracts
 - Development of a TSA-Basis of Design Report, Alternative Design Concepts & Related Work
 - Renderings
 - TSA Grant Funding assistance
 - BHS modeling or programming/documentation of existing BHS components
 - Hazardous material review or investigation
 - Detailed code or accessibility review of existing building conditions
 - Existing code or accessibility deficiencies upgrades
 - Detailed cost estimating beyond Rough Order of Magnitude Costs
 - Utility surveys
 - Property and/or right-of-way surveys
 - Location of protected species habitat or environmentally sensitive lands or vegetation
 - Topographic mapping
 - Construction Administration phase services
 - Creation of tender & Division 0 Specifications for bidding
 - Task 0.2 Kick off meeting assumed to be on site
 - Task 5.2 Pre-Bid Meeting – in order to devote the entire day to this meeting and tour of the site, it is assumed to be an overnight trip.

End of Narrative Scope