

# BOARD OF PORT COMMISSIONERS OF THE LEE COUNTY PORT AUTHORITY

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| <p>1. <b>REQUESTED MOTION/PURPOSE:</b> Request Board authorize a Contract Amendment with Michael Baker International, Inc., in the amount of \$236,612 for the design of the baggage handling system improvements at RSW.</p> <p>2. <b>FUNDING SOURCE:</b> Net revenue generated by the normal operations of RSW Airport 20863141234.506510.20</p> <p>3. <b>TERM:</b> Task is concurrent with three (3) year contract expiring June 29, 2026.</p> <p>4. <b>WHAT ACTION ACCOMPLISHES:</b> Provides for the design of baggage handling system improvements at RSW.</p> | <p>5. <b>CATEGORY:</b> 28<br/>Administrative Agenda</p> <hr/> <p>6. <b>ASMC MEETING DATE:</b> 12/19/2023</p> <p>7. <b>BoPC MEETING DATE:</b> 1/18/2024</p> |
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**8. AGENDA:**

☐ CEREMONIAL/PUBLIC PRESENTATION

☐ CONSENT

☒ ADMINISTRATIVE

**9. REQUESTOR OF INFORMATION:**

(ALL REQUESTS)

NAME Emily M. Underhill

DIV. Development

**10. BACKGROUND:**

In 2016, the legacy baggage handling system (BHS) at the Southwest Florida International Airport (RSW) underwent an Optimization and Recapitalization program which was initiated to improve the system's efficiency and throughput. The baggage handling system currently includes four (4) Explosion Detection System (EDS) machines in a dual 1+1 configuration with crossovers between the two (2) sets of EDS machines.

Since the 2016 improvements, RSW has seen increased baggage volume through an aging BHS. This situation prompted airport personnel to enlist the services of a consultant to perform a study to identify system improvements. As a result, in 2019, a high-level study was issued highlighting troubled areas within the baggage handling system. The content within this study was organized by implementation time (i.e., short-term, mid-term, and long-term) and a priority was placed on each item for an appropriate respective correction response. To further advance implementation of these improvements to the system, in 2023, the Port Authority retained its consultant to prepare a BHS Improvement Study Report which provided a high-level pre-engineering report with estimated costs to implement five (5) of the recommendations. The objective of the report also was to provide operational assurance that legacy system operations will be sustained in the short term until the new Concourse E baggage handling systems are online and operational. The Port Authority, along with the entity (DAIFUKU) that holds the Operations and Maintenance (O&M) contract for the baggage handling system, reviewed the findings within that report and ultimately have chosen to focus on four (4) topic areas that would benefit the airport most at this time and are listed below:

1. Upgrade existing controls system from coaxial cable (ControlNet) to Ethernet
  - o Upgrade Process Logic Controller (PLC)

**11. RECOMMENDED APPROVAL**

<u>DEPUTY EXEC DIRECTOR</u>	<u>COMMUNICATIONS AND MARKETING</u>	<u>OTHER</u>	<u>FINANCE</u>	<u>PORT ATTORNEY</u>	<u>EXECUTIVE DIRECTOR</u>
Emily M. Underhill	Victoria B. Moreland	N/A	David W. Amdor	Andrea R. Fraser	Benjamin R. Siegel

**12. SPECIAL MANAGEMENT COMMITTEE RECOMMENDATION:**

APPROVED **X (5-0)**  
 APPROVED as AMENDED  
 DENIED  
 OTHER

**13. PORT AUTHORITY ACTION:**

APPROVED  
 APPROVED as AMENDED  
 DENIED  
 DEFERRED to  
 OTHER

**Background (continued)**

- Install Ethernet IP Device Level Ring (DLR)
  - Install Hot Backup hardware
  - Replace Human Machine Interface (HMI) in field Motor Control Panels (MCPs)
  - Install Switches/Panels
2. Convert Pier Line 4 from a straight pier to a carousel makeup device.
  3. Replace G&T Power Faced Diverters (PFD) with Siemens High-Speed Diverters (HSD II) & EDS Exhaust Upgrades.
  4. Reprogram Take-a-way Merges (Reverse Merges).

In order to provide a design for these upgrades, staff has negotiated a design scope of work with Michael Baker International, Inc. (MB) for fees totaling \$236,612. MB will be subcontracting and managing various specialty firms throughout the course of the project. For this design effort, MB fees equal \$39,463, with the remaining \$197,149 being subcontracted services.

As with all Port Authority Development contracts, all tasks are contingent on the availability of funds and the issuance of a written Task Authorization in accordance with the Board-approved contract, and as approved by funding agencies, as required. Only tasks authorized to begin and subsequently performed can be billed by and paid to the Consultant.

**Attachments:**

1. Contract Amendment