



# Rhode Island Airport Corporation

April 16, 2024

**ADDENDUM NO. 4  
Invitation for Bids No. 34758  
South Cargo Ramp Development  
Rhode Island T. F. Green International Airport**

Prospective Bidders and all concerned are hereby notified of the following changes in the Invitation for Bids (IFB) No. 34758. These changes shall be incorporated in and shall become an integral part of the contract documents.

**1. Contract Documents, Project Specifications,**

**i. Division 0, Bidding and Contract Documents,**

**Section 00002 Seal Page**

- Replace sheet 00002-4 with Process Engineer seal and specification reference.

**Section 00003 Table of Contents**

- Replace table of contents sheet 00003-3 and 00003-4. The table has been updated to include 083113, 330519, and Division 40.

**00320 Bid Form,**

- The entire specification section is issued to reflect page number updates.
- Replace Schedule A Prices – Base Bid Cargo Ramp.

Some pay items have been deleted, some pay items have been added, some quantities have been adjusted, some units of measure have been adjusted.

- The Excel file containing the bid schedules is replaced and issued as part of Addendum No. 4.

**ii. Supplemental Specifications,**

**DX-791.03 Underground Detention Basin**

This specification has update to remove reflect StormTrap access opening manholes.

**083113 Access Doors and Frame For Utility Structures**

This specification is added and included in the attachments to Addendum No. 4.

**\*271524 Optical Fiber Cables**

This specification had been updated to reflect the outside jacket color.

**\*281300 Access Control System (ACS)**

This specification has been updated to reflect the PMAS, Card Access Readers, and Relay Module.

**\*282304 Video Surveillance System**

This specification has been updated to reflect the CAS and wiring.

**330519 Duct Iron Pipe and Fitting**

This specification is added and included in the attachments to Addendum No. 4.

**400501 Testing of Pipelines and Hydraulic Structures**

This specification is added and included in the attachments to Addendum No. 4.

**400506 Piping Specialties**

This specification is added and included in the attachments to Addendum No. 4.

**400507 Hangers and Supports for Process Piping**

This specification is added and included in the attachments to Addendum No. 4.

**400553 Process Valves**

This specification is added and included in the attachments to Addendum No. 4.

**407200 Level Process**

This specification is added and included in the attachments to Addendum No. 4.

**409123 Control, Signal and Communication Wiring**

This specification is added and included in the attachments to Addendum No. 4.

## **409400 Instrument and Control System Testing**

This specification is added and included in the attachments to Addendum No. 4.

### **2. Plan Sheets**

#### **Volume 1 of 2 Airside and UPS Site**

##### Sheet 2 – Sheet Index and Estimate of Quantities

Reissued: The Sheet Index and Estimate of Quantities content has been updated. Remove and replace updated sheet in its entirety with the version attached to this addendum.

##### Sheet 25 – Construction Safety and Phasing Plan Phase 4

Reissued: This plan sheet has been revised to correctly show the signs existing on the specified construction phase.

##### Sheet 26 – Construction Safety and Phasing Plan Phase 5

Reissued: This plan sheet has been revised to correctly show the signs existing on the specified construction phase.

##### Sheet 27 – Construction Safety and Phasing Plan Phase 6

Reissued: This plan sheet has been revised to correctly show the signs existing on the specified construction phase.

##### Sheet 39 – Site Paving Details

Reissued: This plan sheet has been revised to include joint details, tie bar notes, and sealant and reinforcement detail updates.

##### Sheet 39A – Site Paving Details

Reissued: This plan sheet has been added and included in the attachments

##### Sheet 41 – Spot Elevation and Jointing Plan

Reissued: This plan sheet has been revised to update concrete jointing layout on west side of apron.

Sheet 43 – Spot Elevation and Jointing Plan

Reissued: This plan sheet has been revised to update concrete reinforcement for storm structure SA209.

Sheet 44 – Spot Elevation and Jointing Plan

Reissued: This plan sheet has been revised to update concrete jointing layout on east side of apron.

Sheet 49 – Grading and Drainage Plan

Reissued: This plan sheet has been revised to include updated earthwork balance table.

Sheet 58 – Drainage Plan and Profiles

Reissued: This plan sheet has been revised to reflect existing duct bank crossing in storm profile view.

Sheet 59 – Drainage Plan and Profiles

Reissued: This plan sheet has been revised to reflect existing duct bank crossing in storm profile view.

Sheet 62 – Drainage Plan and Profiles

Reissued: This plan sheet has been reissued to reflect changes to the quantity in the cost estimate.

Sheet 63 – Drainage Plan and Profiles

Reissued: This plan sheet has been reissued to reflect changes to the quantity in the cost estimate.

Sheet 64 – Drainage Plan and Profiles

Reissued: This sheet has been revised to callout the horizontal directional bore for installing the 24" RCP storm drainage pipe.

Sheet 69 – Fencing Details

Reissued: A 3"x5" handhole and two 1" conduits were added to the F-162 4' Single Swing Gate. Also, two 1" conduits were added to the Cantilevered Sliding Gate (single) and four 1" conduits were added to

the Cantilevered Sliding Gate (double).

Sheet 83 – Electrical Site Plan

Reissued: This plan sheet has been revised to update pad mounted utility transformer.

Sheet 85 – Electrical Site Plan – UPS Facility (Schedule B)

Reissued: This plan sheet has been updated to reflect Hotbox on UPS site.

Sheet 86 – Duct Bank Plan and Profiles

Reissued: This plan sheet has been revised to include additional information in profile view for duct bank grade break locations.

Sheet 97A – Terminal Pump Station Area Electrical Site Plan

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 97B – Terminal Pump Station Vault and Wet Well Plan

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 97C – Terminal Pump Station Single Line Diagram

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 97D – Panelboard Schedules

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 98 – Electrical and Communication Details

Reissued: This plan sheet has been revised to correct pavement depth callout for Section “A-A” detail.

Sheet 100 – Electrical and Communication Details

Reissued: This plan sheet added a RIAC Mini Power Zone and IT Pedestal

Detail showing conduit between MPZ-1 and PMAS.

Sheet 104 – Light Pole Details

Reissued: This plan sheet has changes to the key notes Also, Light Pole (Type 2) Plan View Conduit Routing Detail and Light Pole (Type 2) Equipment Mounting (Plan View) Detail have both been updated to reflect conduit and communication manhole changes.

Sheet 105 – Light Pole Details

Reissued: This plan sheet has updated the Light Pole (Type 1) Equipment Layout and Mounting Detail (Plan View) and Light Pole (Type 1) Gate Nose Equipment Mounting (Plan View) Detail have both been updated to reflect conduit and communication manhole changes.

Sheet 106 – Light Pole Details and Schedules

Reissued: This plan sheet has updated to reflect the Hotbox in Panel Schedule MPZ-1.

Sheet 113 – Fire Protection Line Plan and Profile

Reissued: This plan sheet has been revised to show 8” ductile iron pipe.

Sheet 114 – Fire Protection Line Plan and Profile

Reissued: This plan sheet has been revised to show 8” ductile iron pipe.

Sheet 115 – Fire Protection Line Plan and Profile

Reissued: This plan sheet has been revised to show 8” ductile iron pipe.

\*Sheet 124 – Airport Security Legend, Abbreviations, Symbols, and General Notes

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

\*Sheet 125 – Airport Security Plan 1 of 2

Reissued: The General Notes and Key Notes have been updated. The enlarged view has been updated.

\*Sheet 126 – Airport Security Plan 2 of 2

Reissued: The General Notes and Key Notes have been updated. The enlarged view has been updated.

\*Sheet 127 – Airport Security Enlarged View Plan

Reissued: The General Notes and Key Notes have been updated. The enlarged view has been divided into two views.

\*Sheet 128 – Airport Security Enlarged View Plan

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

\*Sheet 129 – Airport Security Enlarged View Plan

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

\*Sheet 130 – Airport Security Details 1 of 3

Reissued: The plan sheet reflects rerouted conduit.

\*Sheet 131 – Airport Security Details 2 of 3

Reissued: The plan sheet reflects enclosure size change, components, and spacing changes.

\*Sheet 132 – Airport Security Details 3 of 3

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

\*Sheet 133 – Airport Security CCTV and Access Control Riser Diagram

Reissued: The Key Notes have been updated, rerouting of wiring, and changes in quantity.

Sheet 135 – Valve Control Structure (S-DA-4 Plans, Sections, and Details)

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 136 – P&ID Legend and Symbology 1

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 137 – P&ID Legend and Symbology 2

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 138 – P&ID Terminal Collection System

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 139 – Terminal Pump Station Control Riser Diagram

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 140 – Terminal Pump Station Control Panel Layout

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 141 – Terminal Pump Station Control Panel Wiring Diagram

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 142 – Terminal Pump Station Control Panel I/O Wiring Diagram

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 143 – Terminal Pump Station Control Panel I/O Wiring Diagram 2

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

Sheet 144 – Terminal Pump Station Control Panel I/O Wiring Diagram 3

Added: This plan sheet has been added and included in the attachments to Addendum No. 4.

**3. Bidders RFIs**



**IFB Questions as of 4/8/24**

1. Please provide a detail on how the electrical and tele / comm casting are set in the concrete slab.
  - a. *Refer to Addendum No. 4 Vol 1 Plan Sheet 39A – Site Pavement Detail.*
  
2. PMAS Cabinet. What goes inside that. Need specification for cabinet.
  - a. *Refer to Addendum No. 4 reissued Vol 1 Plan Sheet 130 Airport Security Details 1 of 3 and 131 Airport Security Details 2 of 3. Also, refer to Addendum No. 4 reissued Specification Section 281300 Access Control System and 282304 Video Surveillance System.*
  
3.
  - Flow rate
  - Peak flow
  - Model size
  - Pipe size and material for inlet and outlet pipes along with elevations
  - Groundwater elevation
  - Loading requirements HS-20 or Airport?"
  - a. *See Table below:*

<b>HDS-UPS-1</b>		
<i>Flow Rate</i>	<i>2.5</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>12.57</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Hydrodynamic Separator Unit Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±43.2</i>	
<i>Load</i>	<i>HS-20</i>	
<b>WQU-1</b>		
<i>Flow Rate</i>	<i>4.02</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>31.39</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Filter Unit 1 Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±42.2</i>	
<i>Load</i>	<i>Aircraft</i>	
<b>WQU-2</b>		
<i>Flow Rate</i>	<i>1.62</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>12.64</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Filter Unit 2 Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±42.5</i>	

<i>Load</i>	<i>Aircraft</i>	
<b>WQU-3</b>		
<i>Flow Rate</i>	<i>15.35</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>57.23</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Hydrodynamic Separator Unit Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±40.0</i>	
<i>Load</i>	<i>Aircraft</i>	
<b>WQU-4</b>		
<i>Flow Rate</i>	<i>0.66</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>7.11</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Filter Unit 3 Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±40.0</i>	
<i>Load</i>	<i>Aircraft</i>	
<b>WQU-5</b>		
<i>Flow Rate</i>	<i>3.43</i>	<i>CFS</i>
<i>Peak Flow</i>	<i>39.9</i>	<i>CFS</i>
<i>Model Size</i>	<i>See Hydrodynamic Separator Unit Detail</i>	
<i>Pipe Size/Material/Elev</i>	<i>See Struc. Data Table</i>	
<i>Groundwater Elev</i>	<i>±40.0</i>	
<i>Load</i>	<i>Aircraft</i>	

**IFB Questions as of 4/9/24 @2:00pm**

4. Please provide additional information as requested below:
  1. Please identify which pay item number the Aruba data switches in section 272000 should be carried as in the schedule prices bid form.
    - a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp.*
  2. Are Pay items 97-106 to be priced and fully installed and terminated in place?
    - a. *Yes, contractor shall furnish and install pay items 97-106 listed.*
  3. Please identify the pay item location for the CAS 1-10 box and equipment at each pole mounted camera location.
    - a. *Refer to Addendum No. 4 reissued Vol 1 Plan Sheet 130 Airport Security Details 1 of 3 and 131 Airport Security Details 2 of 3.*

4. Pertaining to question 3, there are 3 types of CAS 1-8 that are typical, but 9 and 10 include added items this should make them separate line items.
- a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp.*

5. Per specification section 281300 Part 2 2.1 B  
B.  
Provide software upgrade to the most recent version of provided system including all patches, versions, and changes for this specific facility. All software licensing shall be provided by the vendor, to include but not limited to door con machines, device mapping, system integration, camera alarm linking, etc.

Please identify the following:

- current version of the C-Cure access control system installed.

a. *The product is C-CURE 9000. The version is 2.90 SP6 CU01. The build is 6106.6106.*
- Quantity of licensed doors in system / quantity of currently installed doors in system.

a. *The license is unknown at the moment but there is 184 doors.*
- Is there a current support agreement in place for the access control?

a. *Currently there is no support agreement in place for the access controls.*
- Who is the current vendor for the access control system? If they hold the support agreement, they may be required to provide the software upgrade.

a. *There are currently multiple vendors, but Siemens is the vendor for the integration work.*

6. Please provide a replacement part number for the card reader as the RK40 has been discontinued.

a. *Replacement part is HID Signo 40 Keypad, 40KTKS-00-000000.*

5. Please provide additional information as requested below:

1. Please identify how the pay item will work when the form calls out less than the required quantity needed for the line.

- For example, line 99 Pay item 271526 calls for 3575' of 24 strand fiber.
  - The run from the building IDF to the PMAS01 is 3575' but the drawing indicates 3 of these runs not just 1.

a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp. There will be three runs of 24 strand fiber from building IDF to PMAS.*

- Add the run from South FODS cabinet to CMH 105 and you have an additional 1225'

a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp.*

- This gives me a total footage of 11,700'

2 Drawings are scaled at 1" = 50' and 1" = 100' but they don't show the CMH connections as a continuous pathway in any drawing and miss a few CHM numbers in the multipage layout. Can a single continuous pathway be identified in the drawings? I have looked at E drawings for a pathway start to end and I don't find one anywhere.

a. *Refer to Addendum No. 4 reissued Vol 1 Plan Sheet 125, 126, 127, and 128.*

6. Provide how many StormTrap access opening manholes there are. Nothing shown on plan view. Provide casting type and specification, nothing included in specification.

a. *There are to be 8 access openings and the casting type will be aircraft rated solid lid casting.*

7. Horizontal Directional Bore – specification quantities and type does not match the bid form. Provide location on drawings.

a. *Refer to Addendum No. 4, sheet 84 (electrical site plan) and sheet 64 (Drainage Plan and Profiles). Clarification and callout added for both horizontal directional borings.*

8. On the bid form given with addendum #2, Schedule A lists items 109 & 110 both as 271526 – Single-Mode Optical fiber Jumper Cable – 500 LF. This appears to be a duplicate item. Could you please advise on this item?

a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp.*

9. Addendum 2 increased Item 58 – 24" RCP to 6300 lf and Item 60 – 36" RCP to 2080. lf but the plans still show 3255 lf of 24" RCP and 960 lf of 36" RCP. Please clarify where the unallocated quantity is located.

a. *Refer to Addendum No. 4 reissued Vol 1 Sheet Plan 58 and 64 – Drainage Plan and Profiles.*

10. Addendum No. 2 has made significant modifications to the electrical scope. In addition, information pertaining to the electrical scope is referred to a forthcoming Addendum No. 3. In view of these changes, and the solicitation of pricing from our vendors, It will be next to impossible to formulate a respectable electrical proposal by the 18<sup>th</sup>. Please consider extending the bid date by 2 weeks. A little more time will be a benefit to RIAC in terms of getting sharper pricing.

a. *Refer to Addendum No. 3 reissued Specification Section 00010 Advertisement.*

11. Addendum 2 included Items 109 and 110 sch A which the same items. Please clarify why there two bids for the same item.

a. *Refer to Addendum No. 4 reissued Schedule A Prices – Base Bid Cargo Ramp.*

RIAC would like to remind all prospective bidders/offerors that additional Addendums may be issued by RIAC until the deadline for bid submissions. As such, RIAC encourages prospective bidders/offerors to visit [www.flyri.com/riac/procurement](http://www.flyri.com/riac/procurement) on a frequent basis.

\* SENSITIVE SECURITY INFORMATION (SSI)

WARNING: This record contains Sensitive Security Information that is controlled under 49 CFR parts 15 and 1520. No part of this record may be disclosed to persons without a "need to know", as defined in 49 CFR parts 15 and 1520, except with the written permission of the Administrator of the Transportation Security Administration or the Secretary of Transportation. Unauthorized release may result in civil penalty or other action. For U.S. government agencies, public disclosure is governed by 5 U.S.C. 552 and 49 CFR parts 15 and 1520.

**####END OF ADDENDUM####**