

# Rhode Island Airport Corporation

December 03, 2015

## Invitation for Bid No. 26223 Terminal Catch Basin Inserts

The Rhode Island Airport Corporation (RIAC) is soliciting sealed bids for the supply of 35 Catch Basin Inserts to contain spent de-icing fluid around the RIAC terminal building.

Sealed bids will be received at: Rhode Island Airport Corporation, Office of Procurement, 3<sup>rd</sup> Floor, T. F. Green Airport, 2000 Post Road, Warwick RI 02886-1533. The bidder must submit one (1) original and one (1) copy ("Public Copy") of the Response Form.

**Due date for bids is no later than 2:00 p.m., December 23, 2015**, at which time they will be publicly opened. Bids must be in a sealed envelope clearly marked "**Terminal Catch Basin Inserts – IFB No. 26223**". RIAC will not accept late bids under any circumstances. All costs incurred in connection with responding to this Invitation for Bids (IFB) shall be borne by the bidder.

RIAC reserves the right to waive any irregularities and to reject any and all bids on any basis without disclosing the reason. RIAC will be the sole judge in determining as equivalent products.

As part of the bid package, include a complete description of the product, including engineering drawings and stress analysis. Some latitude in meeting the precise specifications will be allowed when demonstrated that as equivalent features or specifications are being offered. However, RIAC will be the sole judge in determining the acceptance of as equivalent features or specifications.

Only the latest model equipment as evidenced by the manufacturer's current published literature will be considered; obsolete models of equipment not in production will not be acceptable. Equipment shall be composed of new parts and materials. Any unit containing used parts will be rejected. Prior to final acceptance to RIAC, all components shall be verified through their manufacturer for compliance under the specification. In addition to the equipment herein specifically called for, all equipment cataloged by the manufacture as standard or required by RIAC shall be furnished with the unit. The manufacturer, contractor or offeror shall maintain spare parts support of any equipment that may be purchased as a result of this solicitation for a period of not less than ten (10) years from the date of delivery.

The manufacturer, contractor, or offeror shall guarantee in writing that for a period of manufacturer's warranty from the time of first use, it will at its own expense and without expense to RIAC, replace all failed parts and make all repairs that may be required by reason of defective workmanship, or material in any part of the assembly of the unit and associated

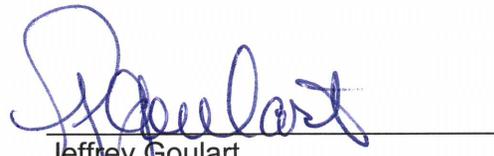
components. Unless otherwise specified, this guarantee extends for a period of not less than one (1) year from the date of first use, except those items of standard commercial design, such as engines, axles, tires, etc. These will carry the manufacturer's standard warranty, and upon notice the manufacturer, contractor or offeror shall promptly repair or replace all defective or damaged items delivered under the contract. The manufacturer, contractor or offeror shall provide assistance to RIAC with any warranty problems which may arise from manufacturing, suppliers, or contractors. The contractor may elect to have any item returned to its plant, with freight charges being borne by the contractor. Unless they fail as a result of improper application by the manufacturer, contractor or offeror, batteries, rubber and material normally consumed in operation are excluded from this guarantee, but shall in any event, be guaranteed by the contractor to the extent of any guarantee received by the contractor from the supplier.

Delivery of the terminal catch basin inserts will be required within 120 days of contract award, or as otherwise agreed upon in writing by RIAC. The catch basin inserts will be delivered, as specified, in ready to work condition to T. F. Green Airport, Maintenance Area, 300 Airport Road, Warwick, R. I. Do not include state sales or federal excise tax as part of your bid price, as RIAC is exempt from these taxes. The supplier shall quote turnkey installation of the catch basin inserts, including removal of the existing top plate and valve assembly. The supplier shall also provide supervisory assistance with a 6 hour water test of the catch basin insert once installed to demonstrate compliance with the specification.

RIAC reserves the right to waive any irregularities and to reject any and all bids on any basis, without disclosing the reason.

Procedures regarding bids and the selection of contractors shall be in conformity with all federal regulations including 49 CFR, Part 18.36 and Title 37, Chapter 2 of the General Laws of the State of Rhode Island and RIAC procurement rules.

  
Guy A. De Cristofaro  
Manager, Airfield Maintenance

  
Jeffrey Goulart  
AVP Finance Administration

## **SPECIFICATIONS**

### **GENERAL PURPOSE**

This specification details a de-icing fluid containment unit designed to prevent spent de-icing fluids and fuel spills from entering catch basins and reaching the storm water drainage system below the unit during non-precipitous weather (dry) conditions.

### **GENERAL DESIGN**

The design of the equipment shall be in accordance with the best engineering practices. The equipment design and installation shall permit accessibility for use, maintenance, and service. All components and assemblies shall be free of hazardous protrusions, sharp edges, cracks or other elements that might cause injury to personnel or equipment.

Any catch basin insert design must ensure spent de-icing fluid cannot flow or migrate into the storm water drainage system below the unit, and the unit must be capable of being opened or closed in less than 10 seconds.

The vendor must demonstrate the design has adequate flow capacity, to prevent excessive ponding around the terminal area during a rain event. Detailed flow calculations must be provided.

Design shall ensure that the once the device is installed, the top grate of the catch basin, or the device itself, will not protrude above the paved or concrete grade level surrounding the catch basin, to prevent damage from snow plows and Glycol Recovery Vehicle collection operations, and/or loosen the catch basin seal.

All materials of construction shall be compatible with de-icing fluids, ground de-icers and jet fuels.

The design must permit the rapid removal of the catch basin insert, in the event the unit requires maintenance or service, and vendor must demonstrate simple re-installation of the device.

The bidder must demonstrate that the proposed design does not violate any existing patents and must indemnify RIAC in the event a patent infringement action is brought.

### **CONSTRUCTION**

If the grate assembly is being replaced with an alternative grate and integrated system, it must be designed in compliance with FAA Advisory Circular AC 150 5320 6D Appendix 3 Item 2.d(1).

No deviation from specification shall be permitted without prior approval.

### **PROVEN DESIGN AND USE**

Vendor shall demonstrate successful manufacture and use in other similar airport applications and provide at least 3 references where the design has been used for 5 years or more.

## **DETAILED SPECIFICATIONS**

- Design shall be a one piece design drop-in place design, capable of integrating with existing catch basin frames around the terminal building
- Valve assembly designs shall replace the existing grate system with a single top grate, to be fully integrated with a lower mounted de-icing fluid control valve
- Upper grate portion shall be constructed of 50,000 lb. yield carbon steel
- Upper grate shall incorporate fully integrated reinforcing ribs to provide maximum rigidity
- Design must prove it meets loading requirements of FAA Advisory Circular AC 150 5320 6D Appendix 3 Item 2.d(1), by providing stress analysis for each design offered
- All welding shall be pre-heated in accordance with best welding practices
- Grate portion shall seat in the existing catch basin frame, with sufficient clearance for a mastic sealing gasket, capable of providing a 100% seal protection from ponding de-icing fluid, without protruding above the existing catch basin frame
- Valve assembly designs shall have an integrated box frame fully welded to underside of the steel grate, to support a quick release valve mounting plate
- Bottom of integrated structure shall incorporate a 3/8" mild steel flange plate, precision cut plate fully seam welded for water seal
- Gasket between the integrated bottom plate flange and stainless steel valve mounting plate shall be 1/2" thick 70 durometer neoprene to resist ethylene glycol, propylene glycol and exposure to fuel spills
- Valves shall be at least a 6" nominal opening diameter
- Valves shall incorporate adjustable, physical mechanical stops
- Valves shall be mounted with stainless steel grade 5 bolts with lock washers
- Butterfly gasket shall be rated to withstand exposure to EG, PG and jet fuel
- Valves shall be lug style with 90 degree direct coupled manual actuator
- Valve actuator shafts to be sealed by double replaceable seal, loaded with grease to prevent liquid migration down actuator shaft
- Valve actuator shafts to be supported by bronze self lubricating bushing between seals
- Driving end of valve actuator shafts shall incorporate a male hex head driving adapter
- Supply stainless steel actuator driver tool 50" in length with female hex head adapter for surface actuation
- Driver tool shall incorporate open/close directional tag
- Valves shall be mounted to the underside of the stainless steel plate with stainless steel flange and tube
- All mounting hardware must be stainless steel hardware
- Valve plates shall be secured to bottom mounting lug plate with stainless steel hardware designed to provide maximum compression to the sealing gasket
- Non stainless steel components shall be painted with Sherwin Williams 626 Black Epoxy Paint to prevent long term corrosion
- Bidder to supply lifting and removal system for all catch basin inserts
- All catch basin inserts shall be 100% water tested before shipment for 24 hours
- Vendor shall assist RIAC with supervised 6 hour water test after installation has been completed
- Hydraulic flow analysis shall be provided for all catch basin units
- Complete shop drawings shall be provided with bid
- All catch basins shall be serial numbered and cross referenced to site map and shop drawings for future parts support

- Vendor shall provide turnkey installation services, including removal of existing catch basin top plates
- Vendor to provide minimum 1 year parts and labor warranty, FOB RIAC

### **ITEMS REQUIRED UPON DELIVERY**

#### A. DETAILED DRAWINGS and MANUAL

The contractor shall furnish three (3) sets of installation, operation and parts manual, at time of delivery

#### B. SPARE PARTS

Vendor shall supply the following spare parts with the shipment.

- (2) Spare 6" Valves complete with mounting hardware
- (2) Spare Valve Driver Handles
- (10) Complete Seal and Bushing Sets
- (10) Complete Mastic Seal Sets

### **INSURANCE REQUIREMENTS**

Evidence of the following minimum insurance coverage must be provided prior to award:

- a. General Liability limits of \$1,000,000 per occurrence.
- b. Motor Vehicle Liability Insurance with limits of \$1,000,000.
- c. Worker's Compensation coverage to Rhode Island statutory limits or documentation evidencing an approved self-insurance program.
- d. Umbrella Liability limits of \$5,000,000 excess of \$1,000,000 primary layer.

RIAC and the State of Rhode Island shall be named as additional insured on all policies of insurance with the exception of Worker's Compensation insurance.

### **AIRPORT BADGING REQUIREMENTS**

Each employee of the Contractor shall carry an Identification Badge issued by RIAC to be worn in a visible location, as prescribed by the Transportation Security Administration (TSA). The badge is to be worn on their person at all times while performing services on RIAC premises. Contractors will be charged a fee of \$330 for each badge of which \$250 is refundable upon return of each badge.

Identification Badges may not be issued until the Contractor has complied with RIAC and TSA requirements regarding the issuance of Identification Badges including a background check of each prospective employee.

The Contractor shall provide a personal history form for each prospective employee assigned to the contract. Information is to include a 10-year background check as required by the TSA.

**IFB No. 26233  
Terminal Catch Basin Inserts  
Response Form**

Responses are **due no later than 2:00 p.m., December 23, 2015** at Rhode Island Airport Corporation, T. F. Green Airport, Office of Procurement, 2000 Post Road, 3<sup>rd</sup> floor, Warwick RI 02886-1533. Vendors may copy/scan these pages to facilitate completing the information, but must return response in this format/order.

The undersigned, on behalf of the bidder, certifies that: This offer is made without previous understanding, agreement or connection with any person, firm, or corporation entering a bid on the same project; is in all respects fair and without collusion or fraud. The person whose signature appears below is legally empowered to bind the company in whose name the bid is entered. They have read the entire document and understand all provisions. If accepted by RIAC this bid is guaranteed as written and amended and will be implemented as stated.

Firm Name \_\_\_\_\_

Contact \_\_\_\_\_

Signature \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ City/State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Hours \_\_\_\_\_

Taxpayer I.D. Number \_\_\_\_\_

Company Web Site Address \_\_\_\_\_ E-Mail \_\_\_\_\_

General Nature Of Business \_\_\_\_\_

Type or Organization (check one):

Sole Proprietorship  Partnership  Incorporated  Public Corporation   
Private Corporation

Minority Business Enterprise  Woman-Owned Business Enterprise   
Small Business Enterprise

Manufacturer  Distributor  Retail  Dealer  Service

Number Of Locations \_\_\_\_\_ Number Of Persons Employed \_\_\_\_\_

We Acknowledge Receipt Of These Addenda: No. \_\_\_\_\_, Dated \_\_\_\_\_; No. \_\_\_\_\_, Dated \_\_\_\_\_

Has any person, firm, or corporation entering a proposal on the project been disbarred or suspended by the State of Rhode Island. If so indicate dates and explanation for such.

ALL vendors interested in responding **MUST** provide the following requested information in this format. Additional information may be included on accompanying sheets if necessary.

1. Any additional information necessary to assist RIAC in evaluating your bid may be listed here.

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2. Provide references from at least (3) companies, which have received the proposed or similar services.

a. Name of Facility, Group, Organization or Firm \_\_\_\_\_  
Address \_\_\_\_\_ Contact Person \_\_\_\_\_  
Phone Number \_\_\_\_\_

b. Name of Facility, Group, Organization or Firm \_\_\_\_\_  
Address \_\_\_\_\_ Contact Person \_\_\_\_\_  
Phone Number \_\_\_\_\_

c. Name of Facility, Group, Organization or Firm \_\_\_\_\_  
Address \_\_\_\_\_ Contact Person \_\_\_\_\_  
Phone Number \_\_\_\_\_

3. List any deviations from the SPECIFICATIONS and MANDATORY REQUIREMENTS section in this document. An explanation must be provided below and documentation provided to verify compliance with the minimum specifications on a similar or equivalent basis.

ITEM NO.	REASON FOR DEVIATION, DESCRIPTION OF REPLACEMENT COMPONENT, AND/OR EXPLANATION

4. Pricing Information in Words and Numbers (please print clearly).

\$ \_\_\_\_\_  
(Amount in Numbers)

\_\_\_\_\_  
(Amount in Words)

\_\_\_\_\_

## "NO BID" RESPONSE FORM

To submit a "No Bid" response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced. If you do not respond your name may be removed from this bidders list.

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your "No Bid" response –

- Specifications are restrictive; i.e. geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

Comments:

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\_\_\_\_\_  
Company Name (as registered with the IRS)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Correspondence Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone/Fax

## Terms and Conditions

In submitting a response to this Invitation for Bids, vendors hereby understand the following:

1. All project participants, consultants, engineers, and contractors, must comply with all applicable federal, state laws and RIAC rules and regulations pertaining to contracts entered into by governmental agencies, including non-discriminating employment. Contracts entered into on the basis of submitted bids are revocable if contrary to law.
2. Alternate bids (two or more bids submitted) will be considered for award. RIAC reserves the right to make the final determination of actual equivalency or suitability of such bids with respect to requirements outlined herein.
3. The bids submitted, and any further information acquired through interviews, will become, and are to be considered, a part of the final completed contract. If there is any variance or conflict, the bid specifications, conditions, and requirements shall control.
4. Prices offered may not be withdrawn for a period of ninety days immediately following the opening of this Bid. Prices MUST also be free of federal, state and local taxes unless otherwise imposed by a governmental body, and applicable to the material on the bid.
5. Bidder MUST return the original attached Response Form as noted previously on the bid due date.
6. Envelopes containing responses must be sealed and marked on the lower left-hand corner with the firm name and address bid number, date, and time.
7. RIAC interprets the term "lowest responsible bidder" as requiring RIAC to: (a) choose between the kinds of materials, goods, wares, or services subject to the bid, and (b) determine which bid is most suitable for its intended use or purpose. RIAC can consider, among other factors, such things as labor cost, service and parts availability, availability of materials and supplies, and maintenance costs of items upon which bids are received. RIAC can determine any differences or variations in the quality or character of the material, goods, wares, or services performed or provided by the respective bidders.
8. All requested information must be supplied. If you cannot respond to any part of this request, state the reason you cannot respond. You may provide supplemental information, if necessary, to assist RIAC in analyzing your bid.
9. A purchase order and/or contractual agreement constitutes RIAC's offer to the service provider upon the terms and conditions stated herein, and shall become binding meeting the terms set forth herein when it is accepted by acknowledgment or performance.
10. After award, if the successful bidder/supplier refuses or fails to make deliveries of the materials and or services within the times specified in the Invitation for Bids, purchase order, or contractual agreement, RIAC may, by written notice, terminate the contract OR purchase order.
11. The supplier shall hold and save RIAC, The State of Rhode Island, and its officers, agents, servants/employees harmless from liability of any patented or unpatented invention, process, article, or appliance manufactured, or used in the performance of the contract, including its use by RIAC.

12. Payment of the seller's invoices is subject to adjustment.
13. The Bidder agrees that:
  - a. He/she shall not discriminate against any person under the present contract because of race, religion, color, sex, national origin, ancestry, or physical handicap;
  - b. In all solicitations or advertisements for employees, he/she shall include the phrase, 'Equal Opportunity Employer,' or a similar phrase;
  - c. If he/she fails to comply, he shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC;
  - d. If he/she is found guilty of discrimination under a decision, he/she shall be deemed to have breached the present contract, and it may be canceled, terminated, or suspended, in whole or in part, by RIAC; and,
  - e. He/she shall include the provisions of subsections (a) through (d) inclusively of this paragraph in every subcontract or purchase order so that such provision will be binding upon such subcontractor or vendor.
14. RIAC shall retain the right to reject any and/or all bids received, and responses to this and/or related documents, if determined to be non-responsive in any form, or if determined to be in the best interest of RIAC.
15. The firm responding to this bid proposes to furnish all materials, labor, supplies, equipment and incidentals necessary to provide the equipment/materials/services described herein in accordance with the, Addenda, Contract, Bonds, Insurance, Plans, Specifications, Mandatory Requirements and Conditions.
16. If a response to this Invitation for Bids is accepted, the Bidder agrees to execute and deliver to RIAC a contract in accordance with the Contract Documents (if applicable) within ten days of notice of the award to the Bidder. The Bidder agrees that the surety/deposit given concurrently herewith shall become the property of RIAC in the event the Bidder fails to execute and deliver such contract within the specified time. In the further event of such failure, the Bidder shall be liable for RIAC's actual damages that exceed the amount of the surety.
17. It shall be understood that time is of the essence in the bidder performance. The bidder agrees that RIAC's damages would be difficult or impossible to predict in the event of a default in the performance hereof; and it is therefore agreed that if the bidder defaults in the performance of the Contract Documents, the bidder shall be liable for payment of the sums stipulated in the Contract Documents as liquidated damages, and not as a penalty.
18. The bidder hereby certifies that he/she has carefully examined all of the documents for the project, has carefully and thoroughly reviewed this Invitation for Bids, that he/she has inspected the location of the project (if applicable), and understands the nature and scope of the work to be done; and that this bid is based upon the terms, specifications, requirements, and conditions of the Invitation for Bids and documents. The Bidder further agrees that the performance time specified is a reasonable time, having carefully considered the nature and scope of the project as aforesaid.
19. All products/services and related equipment proposed and/or affected by acquisitions or purchases made as a result of the response to this document shall be compliant with existing

RIAC hardware, software, and applications where applicable. Verification must be provided in the response to this document.

20. The Bidder certifies that this proposal is submitted without collusion, fraud or misrepresentation as to other Bidders, so that all bids for the project will result from free, open and competitive bidding among all vendors.
21. It shall be understood that any bid and any/all referencing information submitted in response to this Invitation for Bids shall become the property of RIAC, and will not be returned. RIAC will use discretion with regards to disclosure of proprietary information contained in any response, but cannot guarantee that information will not be made public. As a governmental entity, RIAC is subject to making records available for disclosure after Board approval of the recommendation.
22. RIAC will not be responsible for any expenses incurred by any vendor in the development of a response to this Invitation for Bids. Further, RIAC shall reserve the right to cancel the work described herein prior to issuance and acceptance of any contractual agreement/purchase order by the recommended vendor even if RIAC has formally accepted a recommendation.
23. Bids must be received prior to the time and dates listed to be considered responsive. RIAC will not "accept" late responses and will return them to the sender. Further, RIAC will NOT: (1) guarantee security of the document received; and (2) be held responsible for bids which are NOT legible (and may choose to reject such responses).
24. By submission of a response, the Bidder agrees that at the time of submittal, he/she: (1) has no interest (including financial benefit, commission, finder's fee, or any other remuneration) and shall not acquire any interest, either direct or indirect, that would conflict in any manner or degree with the performance of Bidder's services, or (2) benefit from an award resulting in a "Conflict of Interest." A "Conflict of Interest" shall include holding or retaining membership, or employment, on a board, elected office, department or bureau, or committee sanctioned by and/or governed by RIAC. Bidders shall identify any interests, and the individuals involved, on separate paper with the response and shall understand that RIAC, at the discretion of the Purchasing Director in consultation with RIAC Counselor, may reject their bid.
25. Campaign Finance Compliance - Every person or business entity providing goods or services at a cost of \$5,000 cumulated value is required to file an affidavit regarding political campaign contributions with the RI State Board of Elections even if no reportable contributions have been made. (RI General Law 17-27) Forms obtained at Board of Elections, Campaign Finance Division, 50 Branch Avenue, Providence, RI 02904 (401-222-2056).
26. Major State Decision-Maker - Does any Rhode Island "Major State Decision-Maker", as defined below, or the spouse or dependent child of such person, hold (i) a ten percent or greater equity interest, or (ii) a Five Thousand Dollar or greater cash interest in this business?

For purposes of this question, "Major State Decision-Maker" means:

- (i) All general officers; and all executive or administrative head or heads of any state executive agency enumerated in R.I.G.L § 42-6-1 as well as the executive or administrative head or heads of state quasi-public corporations, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of president, senior vice president, general counsel, director, executive director, deputy director, assistant director, executive counsel or chief of staff;

- (ii) All members of the general assembly and the executive or administrative head or heads of a state legislative agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel or chief of staff;
- (iii) All members of the state judiciary and all state magistrates and the executive or administrative head or heads of a state judicial agency, whether appointed or serving as an employee. The phrase "executive or administrative head or heads" shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel, chief of staff or state court administrator,

If your answer is "Yes", please identify the Major State Decision-Maker, specify the nature of their ownership interest, and provide a copy of the annual financial disclosure required to be filed with the Rhode Island Ethics Commission pursuant to R.I.G.L. §36-14-16, 17 and 18.