Rhode Island Airport Corporation

February 05, 2014

Invitation for Bid No. 25332
Trailer Mounted Attenuator

INTRODUCTION

The Rhode Island Airport Corporation (RIAC) is soliciting bids for the purchase of one (1) Trailer Mounted Attenuator, with Arrow Board.

Sealed bids will be received at: Rhode Island Airport Corporation, Office of Procurement, 3rd Floor, 2000 Post Road, Warwick RI 02886-1533. Questions related to this IFB can be sent to: procurement@pvdairport.com. All questions must be submitted no later than February 12, 2014 (10am EST).

Due date for bids is no later than 2:00 p.m., February 19, 2014, at which time they will be publicly opened. Bids must be in a sealed envelope clearly marked **"Trailer Mounted Attenuator – IFB No. 25332"**. 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.

The successful bidder will be the lowest responsible bidder. For purposes of this solicitation, the lowest responsible bidder is the firm that RIAC determines meets the specifications at the lowest price. The successful bidder must deliver attenuator within 30 days of award of contract and have a parts and service dealer within 100 miles of RIAC.

All prices quoted are to be FOB delivery location, RIAC Maintenance Area, 300 Airport Road, Warwick RI 02886. Payment terms are net thirty (30) days; RIAC is Tax Exempt and a certificate will be supplied as required.

Procedures respecting bids and the selection of Contractors shall be in conformity with Title 37, Chapter 2 of the General Laws of the State of Rhode Island and RIAC procurement rules.

Approved:

Jeffrey P. Goulart
Manager, Finance & Administration

Specifications
The trailer Mounted Attenuator shall be FHWA tested and approved to meet the NCHRP-350 test level 2 criteria (45 mph). The Trailer Attenuator (TA) model shall have been subjected to NCHRP-350 tests, ride-down acceleration limits (G's) must be in the preferred range of FHWA guidelines. The Trailer Attenuator shall consist of three (3) major components.

1. Steel Tongue Section including TARS;
2. Aluminum Cartridge with Curved Re-directing Aluminum Tubes; and,
3. Rear Axle Wheel Assembly.

The Trailer must have a three point at plate of truck anti-rotational system to prevent the TA from rotating to the side and detaching from the host vehicle in off-set angles impacts – The anti-rotational system shall have a pintle hook connection to ease movement from truck to truck and not include any hydraulic system or secondary attachments to the host vehicle. The overall length from pintle hook to connection to rear of attenuator shall not exceed 14 feet and the weight of trailer attenuator shall not exceed 1,700 lbs. The redirective structural aluminum tube members shall protect the full truck width and have a side to side width of approximately 96 inches. Unit to be approximately 13' long, 96" wide, 36" high and weigh approximately 1,460lbs. It shall be complete with manual arrow board upright and power plug.

Mounting Plate - the Pintle hook mounting plate shall be a minimum of ½ inches thick x 32 inches wide and the pintle hook shall be rated at a minimum of 20 tons and be securely attached to the mounting plate.

Lighting – the trailer attenuator shall have a trailer lighting assembly per FMVSS no. 108, lamps, reflective devices and associated equipment. The unit shall include brake lights, taillights, turn signals, reverse lights and a ICC bar light. The standard single 7 pin trailer connector shall make the connection for all lights to the back of truck.

Arrow Board

- Size 96" (243.8cm) wide x 48" (121.9cm) high x 3" (7.6cm) deep
- Federal specifications Manual on Uniform Traffic Control Devices (MUTCD-2009) Chapter 6F, "Temporary Traffic Control Zone Devices," Section 6F.61, Arrow Boards
- MUTCD type C
- Minimum legible distance 1 mile (1609m)
- Recommended usage High-speed, high-volume motor vehicle traffic control projects

Lights
- Number on front 15
- Type LED
- Size PAR 46
- Wattage 1.50 watts
- Design voltage 8.0 VDC
- Color Amber
- Beam type Signal Beam spread: 30° horizontal, 20° vertical beam spread
- Visors over lights 5.5" dia. x 5.12", 360-degree coverage, 0.13" thick to minimize breakage, high impact black plastic

Board material
- Front & rear panels Aluminum sheet, 0.063 thick
- Frame Aluminum channel, 3" x 1" x 1/8" thick
- 1Coating flat black powder-coating, oven-baked for durability

WIRING

- Wire size 18ga standard wire
- Wire color each signal wire has different color for easy identification
- Length 15 ft. (457cm)
- Cable plug Press-in plug (to control box) with screw type locking collar WB8- LA Page 2 6/10/2013

ARROW MODES

- Flashing modes five flashing modes:
    - Left and right arrows 5 lights form stem 5 lights form arrow head 10 lights total
    - Double arrow 3 lights form stem 5 lights form each arrow head 13 lights total
    - Caution bar 7 lights form horizontal bar 7 lights total
    - Corner caution warning 4 lights, 1 at each corner 4 lights total
- Flash rate 30 to 40 per minute
- Dimming Control box consists of one selection for automatic dimming; and two selections for manual brightness, 100% bright and 50% dim
- Safety features Positive-drive voltage system applies power to lamps only when lit; chassis is grounded
- Low-voltage-disconnect circuit shuts off arrow board when battery voltage drops to 11.0/10.5 volts

MOUNTING

- 90-degree manual-tilt frame with a spring-loaded locking pin that releases the board, allowing it to tilt 90 degrees from horizontal (travel position) to vertical (operating position); locking pin automatically locks into place

ACCESSORIES

- Two sets of each; parts, service and operator manuals for both the attenuator and the arrow board.

One spare tire mounted on wheel.

TRAINING

- One hour of safe and proper operator training at time of delivery.

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

Pricing Information	
in Numbers	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. In order to ensure that the Airport file has current information, or if you wish to be added to Airport's Vendor Listing. You must also return the Certificate of Familiarity form completed in its entirety.

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

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

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

Comments:

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_____
Company Name (as registered with the IRS)

_____
Authorized Signature

_____ _____
Correspondence Address Printed Name

_____ _____
City, State, Zip Title

_____ _____/_____
Date Telephone/Fax