



DATE: 1/8/25

TO: Robert Gleason, Director of Purchasing

THRU: Christine Shorey, Senior Purchasing Manager

FROM: Michael Pacitto, Aviation Chief Development

PROJECT TITLE: Boland's LLC, EMAS Repairs, Replacement and Installation - Reasonable Source Request

REQUISITION NO.: TBD

SOLE SOURCE/SOLE BRAND REQUEST

I. REQUEST: Provide a description of the features of the product/service or Scope of Work.

Boland's LLC is an approved specialty contractor who provides repairs, replacement and installation services for the Engineered Materials Arresting System (EMAS) beds installed at Fort Lauderdale-Hollywood International Airport (FLL).

The EMAS is a system made of high energy absorbing materials, like crushable concrete blocks of selected strength, which reliably and predictably deforms under the weight of an aircraft and brings that aircraft to a stop with minimum damage to passengers and aircraft. There are four EMAS beds installed at FLL. Two are located on each end of the South Runway (Runway 10R-28L) and were installed in 2014. The other two are located on each end of the North Runway (Runway 10L-28R) and were installed in 2019. The EMAS beds were installed in accordance with the Federal Aviation Administration (FAA) requirements contained in Advisory Circular 150/5220-22B. The FAA requires a Runway Safety Area (RSA) of 1000 feet at the end of each Runway to stop an aircraft that overruns the end of the Runway. The North and South Runways do not have the required 1000 feet of RSA at the end of each Runway due to restricted space. To mitigate this issue, in accordance with FAA requirements, FLL installed the EMAS beds at the end of each Runway. The standard EMAS bed is approximately 600 feet long.

The EMAS beds installed in 2014 are inspected and maintained in accordance with the Life Cycle Maintenance Schedule provided by the sole source manufacturer (Runway Safe). The manufacturer recommends a seam seal rehabilitation on the tenth year (2024) of the bed. Broward County Aviation Department (BCAD) recently completed the required inspection and determined that both beds of the South Runway require a seam seal rehabilitation. The seam seal rehabilitation will allow the bed to remain dry without water penetration, which helps maintain the integrity of the bed and hence enables them to perform as intended.

BCAD requires the services of Boland's LLC, who is an experienced installer approved by the EMAS manufacturer. They will repair the beds by removing the existing seam seals and replacing them in accordance with the manufacturer's recommendations. Once the work has been completed, BCAD will require an additional inspection by the manufacturer to ensure that the beds can perform as intended.

History:
On April 16, 2024, Item No. 65, the Board ratified an emergency agreement with Boland's LLC for procurement of EMAS repairs and replacement. These services were required as the result of aircraft damage to an EMAS bed and additional damage caused by flooding from the April 2023 "once in a thousand year" storm.

II. JUSTIFICATION: Please check all boxes that describe your reason(s) for determining that only one source or brand is reasonably available.

Only Sole Source/Uniqueness

- ☐ Proprietary Item - this vendor/ source has the only rights to provide this service or commodity. A letter from the manufacturer or authorizing entity is included in this request.
- ☐ Technology Improvements - updates or upgrades to an existing system, software, software as a service (SaaS), hardware purchases.
- ☐ Engineering Direction - engineering drawing or specification identifies product; "no substitutes or equivalents will be acceptable."
- ☐ Only qualified supplier - reliability and maintainability of the product or service would be degraded unless specified supplier is used; may void warranty. This request includes a copy of the current warranty information.
- ☒ Other – the County requires this sole source, sole brand purchase for the following reasons:

Boland's LLC is the installer approved by the EMAS manufacturer.

- ☐ Operational Compatibility - replacement parts from alternate suppliers are not interchangeable with original part and causes equipment incompatibility. Previous findings and/or documentation is included with this request.
- ☐ Ease of Maintenance - maintenance or retooling prohibits competition. Section III, Comparative Market Research includes estimated costs associated with changing current source and/or brand.
- ☒ Follow-On - potential for continued development or enhancement with same supplier and eliminates costs incurred by using different supplier. Section III, Comparative Market Research includes estimated costs for replacing current or existing system.
- ☐ Complies with existing community and safety standards, and/or laws, rules, and regulations.
- ☐ Exempted from the Procurement Code – per Section 21.5 of Broward County Administrative Code.
- ☒ Other/or additional information – using this sole source, sole brand purchase benefits the County for the following reasons:

Due to the importance of the EMAS for FLL's operations, BCAD requests a Reasonable Source designation for Boland's LLC in order to to complete the Seam Seal Rehabilitation on the EMAS. Boland's LLC is the vendor that installed the two beds on the North Runway and performed the repairs on the 10R and 28R EMAS beds after the aircraft incident and the flooding which occurred in April 2023. Boland's LLC is scheduled to replace the 10L EMAS bed, starting in January 2025. Boland's has been the go to vendor for EMAS bed installation and repairs throughout the US. The vendor expertise and experience dealing with EMAS beds and knowledge of FLL EMAS systems make the firm a most reasonable source for our EMAS beds. Boland's LLC only performs EMAS work. They will work directly with Runway Safe, the EMAS bed manufacturer to ensure the repairs are completed in a timely manner.

III. COMPARATIVE MARKET RESEARCH: Provide a detailed source or market analysis for justification of sole source/brand or most reasonable source (attach extra sheets as needed).

Estimated project value: Contract length (if applicable):

Expenses to date:

Has this commodity been previously provided to the County? ☒ Yes ☐ No

If yes, when and by whom?

Boland's LLC (Installation) and Runway Safe (Manufacturer)

How was item/service procured?

What is the current contract (MA) or purchase order number?

If this is a sole brand, is there an "authorized" dealers list? ☐ Yes ☒ No

Cost/Benefit Analysis: What would the cost be to utilize an alternate vendor or source? This explanation should include the savings and/or additional costs to the County by not using the preferred vendor or source. Attach additional sheets if needed.

We have found out that any other responsive and responsible vendor may be out of state and will not have the depth of experience and expertise dealing with EMAS beds and our EMAS systems in particular. In addition, Boland's LLC staff is already badged by FLL and will be on site for the 10L EMAS bed replacement.

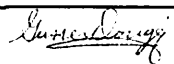
CERTIFICATION: I have thoroughly researched the sole source or sole brand justification and fully understand the implications of Section 838.22 of the Florida Statutes:

(2) "It is unlawful for a public servant, with corrupt intent to obtain a benefit for any person or to cause unlawful harm to another, to circumvent a competitive bidding process required by law or rule by using a sole source contract for commodities or services."

(5) "Any person who violates this section commits a felony of the second degree, punishable as provided in s. 775.082, s. 775.083, or s. 775.084"

Gasser Douge

REQUESTOR/EVALUATOR
(PRINT)

 Digitally signed by Gasser Douge
Date: 2025.01.08 17:20:59 -05'00'

REQUESTOR/EVALUATOR (SIGN)

1/6/25

DATE

Michael P Pacitto

DEPT./DIV. DIRECTOR OR
DESIGNEE (PRINT)

Michael Pacitto Digitally signed by Michael Pacitto
Date: 2025.01.08 15:14:32 -05'00'

DEPT./DIV. DIRECTOR OR
DESIGNEE (SIGN)

DATE

The Purchasing Agent has reviewed the request and has completed the required due diligence per the Procurement Code Section(s) 21.25 and 21.26. The Purchasing Agent recommends the following:

☐ Sole Source ☐ Sole Brand ☒ Reasonable Source ☐ RFI attached ☐ Rejected

☐ Request Authorization to Negotiate

Additional Information:

A Request For Information (RFI) was posted on 02/20/2025 to determine if there was another vendor able to provide the requested services and products. The RFI closed on 03/13/2025 with zero submissions or responses. Purchasing Agent recommends approval of One Reasonable Source designation to Boland's LLC for the specialized expertise and experience for installing Engineered Materials Arresting System (EMAS) beds, the prior engagement at the Fort Lauderdale-Hollywood International Airport (FLL) and understanding of FLL's specific operational dynamics and the compliance with The Federal Aviation Administration (FAA) standards. Boland's LLC is the authorized installer for Runway Safe, the FAA-approved EMAS bed product manufacturer. Total estimated value of \$2,300,000 for Boland's LLC One Reasonable Source designation. The designation of One Reasonable Source allows for a Request for Quote to be solicited to Boland, LLC for fixed pricing for the initial term w/ options to renew and price reconsideration prior to renewal.

Upon determination that prices are considered fair and reasonable, an Agenda Item will be prepared for Board of County Commissioner approval of: 1) One Reasonable Source designation and 2) award of open-end contract.

Purchasing Agent Signature: **YOHANNA DE FRANCISCO**

Digitally signed by YOHANNA DE FRANCISCO
Date: 2025.03.24 15:35:35 -04'00'

Date:

Purchasing Manager **Christine C. Shorey**

Digitally signed by Christine C. Shorey
Date: 2025.03.24 15:48:08 -04'00'

APPROVAL AUTHORITY

REASON/SUGGESTED ACTION (IF DISAPPROVED):

Signature: **Robert Gleason**

Digitally signed by Robert Gleason
Date: 2025.03.24 15:58:53 -04'00'

Signature

Director of Purchasing

To ensure you have the latest version of this list, please visit https://www.faa.gov/airports/engineering/incursions_excursions/emas



**FAA
Airports**

List of Certified Engineered Materials Arresting Systems (EMAS) and Manufacturers as of August 17, 2022

This list identifies Engineered Materials Arresting Systems (EMAS), and the manufacturers of those systems, certified by the FAA (herein, “we”) to Airport Sponsors and their consultants (herein, “you”) as of the referenced date. We will update this list when new information becomes available.

Performance

Procurement and installation of FAA certified EMAS ensures that your arresting system meets the performance requirements outlined in FAA [Advisory Circular \(AC\) 150/5220-22B, Engineered Materials Arresting Systems for Aircraft Overruns](#). This AC also provides reliable EMAS design and installation criteria.

Federal Reimbursement

We will only consider the procurement and installation of FAA certified EMAS products for reimbursement under a federal assistance program.

The EMAS models listed, while certified, may not meet all other requirements for federal reimbursement such as the Airport Improvement Program’s (AIP’s) Buy American preferences.

Ensure that your certified EMAS procurement meets all federal procurement requirements in order to qualify for federal reimbursement.

Submit complete proposals for EMAS procurement. If only one model meets the procurement requirements for your project’s federal reimbursement program, follow the procedures for noncompetitive proposals per Title 2 CFR § 200.320(c).

- **Airport Improvement Program (AIP) requirements:** see <https://www.faa.gov/airports/aip>
- **Bipartisan Infrastructure Law (BIL) requirements:** see <https://www.faa.gov/bil>
- **Passenger Facility Charge (PFC) program requirements:** see <https://www.faa.gov/airports/pfc>

Design, site adapt, and install your EMAS in accordance with FAA AC 150/5220-22B to qualify for federal reimbursement.

Follow the procedures for noncompetitive proposals provided by Title 2 CFR § 200.320(c) for

To ensure you have the latest version of this list, please visit https://www.faa.gov/airports/engineering/incursions_excursions/emas

federally eligible EMAS retrofitting projects if the technical information for your procured EMAS remains proprietary.

EMAS Manufacturer Design and Installation Services

EMAS manufacturers assist with EMAS performance and site adaptation design and with your EMAS installation. To ensure seamless compatibility with your overall project design, procure your EMAS early in your project's design phase.

Coordinate with your EMAS manufacturer's representative to oversee the EMAS installation during that phase of your project's construction.

FAA Certified EMAS Manufacturers and Models List

Manufacturer	Model
Runway Safe Inc. 2239 High Hill Road Logan Township, NJ 08085 runwaysafe.com	EMASMAX®
Runway Safe Inc. 2239 High Hill Road Logan Township, NJ 08085 runwaysafe.com	greenEMAS®



U.S. Department
of Transportation
**Federal Aviation
Administration**

Office of Airport Safety and Standards

800 Independence Avenue, SW,
Washington, DC 20591

February 22, 2021

To whom it may concern:

The Federal Aviation Administration (FAA) Advisory Circular 150/5220-22B, titled “Engineered Materials Arresting Systems (EMAS) for Aircraft Overruns”, contains standards for the planning, design, installation, and maintenance of Engineered Materials Arresting Systems (EMAS) in runway safety areas (RSA) at U.S. airports.

As of the date of this letter, the Runway Safe Group, through their acquisition of the EMAS Max product from Safran, parent company of Zodiac Aerospace is the only enterprise that has demonstrated and validated a design method and manufacturing process meeting the Advisory Circular requirements satisfactory to the FAA.

Sincerely,

Michael A.P. Meyers, P.E.
Manager, AAS-100
Airport Engineering Division



January 23, 2025

TO: Mr. Gasser Douge, P.E., C.M, Fort Lauderdale International Airport

EMASMAX, Corporate Experience of Boland's North LLC/Boland's LLC

The following statement is a response to a request from Mr. Gasser Douge of Fort Lauderdale International Airport seeking confirmation of work experience of Boland's North LLC/Boland's LLC with respect to Runway Safe's EMASMAX engineering material arresting system (EMAS) concerning installations and repairs in the United States.

Boland's North LLC/Boland's LLC has demonstrated proficient technical competency and proficient construction services when installing, repairing, and retrofitting EMASMAX engineered material arresting systems in the United States.

Since Runway Safe's acquisition of the EMASMAX EMAS product line in 2020, Boland's North LLC/Boland's LLC has completed the following work:

Please note this is not a full exhaustive list of work completed by Boland's North LLC/Boland's LLC.

- EMASMAX installations at Cartersville Airport, Key West International Airport, Roanoke Regional Airport, and Greater Binghamton Airport.
- EMASMAX seam seal rehabilitations at Fort Lauderdale International Airport, Groton-New London Airport, Lehigh Valley International Airport, and Louisville International Airport
- EMASMAX repair and retrofit work at Fort Lauderdale International Airport, LaGuardia Airport, JFK international Airport, Newark International Airport, Teterboro Airport, Dekalb-Peachtree Airport, and Telluride Airport.

ERIC NICOSIA
Head of Projects & Field Services

Eric Nicosia 1/23/2025

DANA PEFFER
Key Account Manager

RUNWAY SAFE GROUP

SWEDEN HQ
RUNWAY SAFE GROUP
Kungsporsavenyen 10
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Sweden

SWEDEN TECHNICAL
OFFICE
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582 24 • Linköping
Sweden

US REGIONAL HQ LOGAN
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Logan Township • NJ 08085
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US CHICAGO -
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BPRO Electronic Procurement System [Back to list](#)

Project: Request for Information (RFI): Engineered Material Arresting System (EMAS) Maintenance and Repairs

February 2025

prev next

Ref. #: PNC2129964F1

Department: FASD - Purchasing

Type: RFI

Status: OPEN

Open Date: Feb 20th 2025, 8:30 AM EST

Questions Due Date: Feb 20th 2025, 9:00 AM EST

Contact Information: Yohanna DeFrancisco, ydefrancisco@broward.org

Close Date: Mar 13th 2025, 2:00 PM EDT

Days Left: 16

Contract Duration:
Not Applicable (RFQ/RFI)

Contract Renewal:
Not Applicable (RFQ/RFI)

Bid Validity:
Not Applicable: RFI

Bonding Required:
No

Total Amount of Pass-Thru Allowance (Initial Term or Fixed):
0

OESBD Designation Goal Participation Type:
No Goal

Goal Assigned Percentage (0 if No Goal):
0

Public Works/Construction:
No

Project Description:

Notice of Intent to Designate Sole Source/Sole Brand:

This Request for Information (RFI) Notice of Intent to Designate Sole Source is to determine if the specified service is available from multiple providers, or if an alternate service available that would meet the County's needs. This is not a request for pricing or a purchase commitment.

The following service is thought to be available from only a sole source (or reasonable source) and is the only service that meets the County's needs: Boland's LLC is approved specialty contractor who can provide repairs, replacement and installation services of the Engineered Materials Arresting System (EMAS) beds installed at Fort Lauderdale-Hollywood International Airport (FLL). The EMAS beds were installed at FLL in accordance with the Federal Aviation Administration (FAA) requirements contained in Advisory Circular 150/5220-22B. The EMAS beds installed at FLL are inspected and maintained in accordance with the Life Cycle Maintenance Schedule provided by the EMAS materials' manufacturer, Runway Safe. Runway Safe is the sole manufacturer of EMAS products that meet the FAA standards of Advisory Circular 150-5220-22B, "Engineered Materials Arresting Systems for Aircraft Overruns."

Boland's LLC installed two EMAS beds on the North Runway and performed repairs on the 10R and 28R EMAS bed after an aircraft incident and flooding which occurred in April 2023. Broward County requires the services of Boland's LLC, an experienced installer approved by the EMAS materials' manufacturer, Runway Safe. Boland's LLC is the intended source to provide repairs to the EMAS beds at FLL by removing the existing seam seals and replacing them in accordance with the manufacturer's recommendations.

This RFI will remain posted until closing date and time.

Prospective Vendors are requested to provide information regarding their ability to provide the commodity or service described or written explanation or other documentation contesting the proposed RFI designation.

If you are capable of meeting or exceeding the County's requirements for the specified commodity or service, respond to this RFI through the electronic bidding system. Vendors should upload any supporting information in the electronic bidding system as part of its response to assist the County in determining if commodity or service is comparable, is available from multiple suppliers, and meets the County's needs. The Director of Purchasing shall have sole authority in deciding what is comparable.

The Director of Purchasing shall consider such submittals and notify all submitting vendors (through the electronic bidding system) of the decision whether to designate as a Sole Source/Brand, which decision shall not be subject to objection, protest, or appeal.

Important Events:

Search					
Status	Event Name	Location	Description	Dates	Mandatory
ONGOING	Open Date	Online Portal	Posting date for the Opportunity	Feb 20th 2025, 8:30 AM EST	N/A
UPCOMING	Close Date	Online Portal	Deadline for Submissions	Mar 13th 2025, 2:00 PM EDT	N/A
PASSED	Questions Due Date	Online Portal	Deadline to submit Questions	Feb 20th 2025, 9:00 AM EST	N/A

Commodity Codes:

NIGP 91310 **Construction: Airport Roadway, Runway and Taxiway**
 NIGP 91364 **Maintenance and Repair: Airport Roadway, Runway and Taxiway**
 NIGP 92975 **Taxiway and Runway Maintenance and Testing Equipment Maintenance and Repair**
 NIGP 7452118 **CONCRETE, BITUMINOUS, SURFACE COARSE, AIRFIELD MIX**

Requested Information:

Listed below are the documents and information needed to complete your submission:

Name	Type	# Files	Requirement
Vendor's RFI Response	File Type: Any (*.*)	Multiple	REQUIRED

Document Takers

Search		
Vendors	# Files	Actions
No data available in table		

Interested Contractors

Prime/General Contractors	Subcontractors
Search	

Vendors	Contact	Email	Phone	Subcontract Services
No data available in table				
Messages				
Public Notices (0)		Public Q&A (0)		
There is currently nothing to display here.				
Submissions and Prime/Subcontractor Interest				
You are currently logged in with an account that cannot submit proposals. To submit, you must create a vendor organization.				
Create Vendor Organization				