

DATE	: 1/8/25
TO:	Robert Gleason, Director of Purchasing
THRU	J: Christine Shorey, Senior Purchasing Manager
FROM	M: Michael Pacitto, Aviation Chief Development
PRO	JECT TITLE: Boland's LLC, EMAS Repairs, Replacement and Installation - Reasonable Source Request
RFOL	JISITION NO.: TBD
	SIGNICITIES. IBD
	SOLE SOURCE/SOLE BRAND REQUEST
I. R	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 15U5/22D-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.
1	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 fooding from the April 2023 once in a thousand year storm.
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II. J s	USTIFICATION: Please check all boxes that describe your reason(s) for determining that only one ource 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.

	Business Case (One/Most Reasonable Source or One/Most Reasonable Brand) Exhibit 1						
	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.						
	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).						
ı	Estimated project value: \$ 2,300,000.00 Contract length (if applicable): Three years						
I	Expenses to date: \$444,754.00						
I	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? Emergency Procurement						
	What is the current contract (MA) or purchase order number? PO: AVC2400064, AVC24001						
ı	If this is a sole brand, is there an "authorized" dealers list?YesYes						
i	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"

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•	REQUESTOR/EV/ (PRINT)	ALUATOR RE	EQUESTOR/E	VALUATOR (SIG	N) DATE
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	Michael P Pac	<b>eitto</b> M	ichael Pacitt	O Digitally signed by Michael Pa Date: 2025,01,08 15:14:32 -0	ccitto 5'00'
	DEPT./DIV. DIRECT DESIGNEE (PR		DEPT./DIV. DESIGNE	DIRECTOR OR E (SIGN)	DATE
	Purchasing Agent has urement Code Section				nired due diligence per the nmends the following:
	Sole Source	Brand X Reason	nable Source [	RFI attached	Rejected
	Request Authorization tional Information:	to Negotiate			
One Re Arrestir of FLL' the aut Boland	easonable Source designation ng System (EMAS) beds, the 's specific operational dynamic	n to Boland's LLC for the prior engagement at the compliance where the FAA-approved Ece designation. The design	e specialized exper he Fort Lauderdale- ith The Federal Avia MAS bed product manation of One Reas	tise and experience for Hollywood International tion Administration (FA/ nanufacturer. Total estire conable Source allows for	r able to provide the requested Agent recommends approval of installing Engineered Materials I Airport (FLL) and understanding A) standards. Boland's LLC is mated value of \$2,300,000 for or a Request for Quote to be prior to renewal.
Upon d	determination that prices are c ral of: <sup>1)</sup> One Reasonable Sou	onsidered fair and reasor	nable, an Agenda Ite ward of open-end co	em will be prepared for E entract.	Board of County Commissioner
Purch	nasing Agent Signatur	e: YOHANNA DE FRANCISCO	Digitally signed by YOHAN DE FRANCISCO Date: 2025.03.24 15:35:35	Date:	
Purch	nasing Manager Christine C. Shorey	BENEVICION API	PROVAL AUT	HORITY	
		REASON/SU	GGESTED AC	TION (IF DISAPF	PROVED):
Sigr	nature: Robert Gleas	Digitatly signed by Robert On Gleason Date: 2025.03.24 15:58:53 -04'00	,	Signature	

Director of Purchasing



## 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 <u>Advisory Circular (AC) 150/5220-22B, Engineered Materials Arresting Systems for Aircraft Overruns</u>. 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 completive 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 <a href="https://www.faa.gov/airports/aip">https://www.faa.gov/airports/aip</a>
- 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®



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

Em Dent 1/23/2825

DANA PEFFER
Key Account Manager



# PNC2129964F1 - Request for Information (RFI): Engineered Material Arresting System (EMAS) Maintenance and Repairs



BPRO Electronic Procurement System Back to list

Project: Request for Information (RFI): Engineered Material Arresting System (EMAS) Maintenance and Repairs	Febru	ary 20	25			prev	next
<b>Ref.</b> #: PNC2129964F1	Sun 26	Mon 27	Tue 28	Wed 29	Thu 30	Fri 31	Sat
Department: FASD - Purchasing	2	3	4	5	6		
ype: RFI							
Status: OPEN	9	10	11	12	13		1
<b>Open Date:</b> Feb 20th 2025, 8:30 AM EST	16	17	18	19	20 <b>8:30a</b>	21 OPEN	2
Questions Due Date: Feb 20th 2025, 9:00 AM EST	23 OPEN	24	25	26	27	28	
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):							
DESBD Designation Goal Participation Type:  No Goal  Goal Assigned Percentage (0 if No Goal):							

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 instal
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 bec installed at FLL are inspected and maintained in accordance with the Life Cycle Maintenance Schedule provided by the EMAS materials' manufacturer, Runway Safe, Runway 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 Ap 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 intersource 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. Vendor 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 (thru 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	Туре	# 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	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 Organiza	ition								