SUBJECT: CUSTOM BOAT ARMOR FOR 29' SAFE BOAT

BID #: ITB 15342-24 **OPEN DATE: 04/03/24**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SUPPLY CONTRACT – ONE-TIME PURCHASE

AGENCY: JACKSONVILLE SHERIFF'S OFFICE

BASIS OF AWARD: ALL OR NONE, TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER

NUMBER OF BIDS INVITED: 84 **NUMBER RECEIVED:** 1 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

Recommend approval of award to Iron Knight Global, Inc., as the lowest responsive, responsible bidder for Custom Boat Armor for 29' Safe Boat for the Jacksonville Sheriff's Office. Total award expenditure not to exceed $122,352.42.

Funding for this award to be encumbered by account: 11407.551102.564290.010662.0000000.00000.0000000 - $112,000.00
00111.522101.564290.000000.00000000.00000.0000000 - $10,352.42 - to be executed by Purchase Order.

Attachments: Recommendation Memo, Tabulation Sheet, Specifications, Terms and Conditions

Analyst: OLIVE WALLACE-COHEN **RESPECTFULLY SUBMITTED:** DUSTIN FREEMAN, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: **MARK ROMANO, DIRECTOR OF INVESTIGATIONS & HOMELAND SECURITY**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

To: Dustin Freeman
Chief of Procurement

Thru: Bill Clement, CPA
Chief of Budget

From: Mark Romano
Director of Investigations & Homeland Security

Subject: XF-0356-24 Custom Boat Armor for 29' Safe Boat

Date: March 27, 2024

We received one (1) bid submission for XF-0356-24 Custom Boat Armor for 29' Safe Boat. We are recommending to award Iron Knight Global. The total not to exceed amount of the award is $122,352.42, split $ 112,000.00 from account code 11407.551102.564290.010662.00000000 and $ 10,352.42 from account code 00111.522101.564290.000000.0000000. This is a one-time purchase to be made via a purchase order.

Please let me know if you need any additional information.

ISO - SAFE 29 ft Center Console Patrol Boat

Quote Prepared for: [illegible]

Quote #
[illegible]
Date
[illegible]
Expiration
[illegible]

Part Number	Item/Description	Unit Cost	Quantity	UOM	Total Cost
[illegible]	[illegible] and all mounting provisions for finished armor kit. Tube and gusset on site for fitment check only.	$ [illegible]	[illegible]	each	$ 10,550.00
[illegible]	Finished armor kit per the list of items below, providing a full-length coverage around the lower part of the center console, floor armor panels, hinged armored glass for windshield and side door. See specs.	$ [illegible]	[illegible]	each	$ 98,702.42
Lot testing	A verification test to show conformance with full specification will be conducted at a third party non government test lab. A single 16" square coupon will be tested in accordance to TA.	$ [illegible]	[illegible]	each	$ 3,000.00
Installation	Final installation on armor kit onto vessel. All protection and requirement provided.	$ [illegible]	[illegible]	each	$ 8,500.00
Shipping	Shipping cost if bought in ISO for delivery in Florida	$ [illegible]	[illegible]	each	$ 1,500.00
				Total	$ 122,252.42

Assumptions:

General Items, kit [illegible]
Lead time: [illegible] 12 weeks
Quoted for domestic shipping (FOB mfg plant)

Mock-Up Kit is made up of usually built out of provided material, full to fitment all armor panels. These mock up parts are fit into the vessel and mounting provisions are included. Any changes needed for fitment are incorporated into the finished armor kit.

Outdoor A lightweight opaque armor solution will be used for the upper area.
Anti-glare finish will be provided if a PM greater than 4%.
Solution is 7 lbs/sq ft, >24 weight [illegible] lbs
Solution will protect against 7.62 x 51 NATO NAT[illegible] (all per NIJ[illegible]) specification
Armor coverage estimated to be 98 square feet
HMWPE panels supplied with stone or finished coating color TBD. This will add approx 0.(0.5" thickness & add approx 0.5 lbs/sq ft total to panel (0.25 per side)
Edge trim & corner guards to be applied to panels where needed for durability
Seam protection to be achieved with high hard steel (HHS) strips, approx 4" wide on panel overlaps
Lot testing (performance verification test) sample is quoted separately above (typically one 16" x 16" test coupon is needed)
Lot testing to be performed at an independent non government lab

Transparent Armor The transparent armor is 20 lbs/sq ft and 2.75" thick
This design will protect against 7.62 x 51 NATO NAT[illegible]
TA coverage area is only planned for forward windshield and small triangles on the side of center console (total coverage approx 11 sq ft)
All glass will have a black fritting around perimeter to protect the bondline from UV degradation
No deicing capabilities are included. No heating/defrost grids are provided
TA planned for direct bonding installation (glued in place)
TA installation is included in total install pricing
Lot testing (performance verification test) sample is quoted separately above (typically one 16" x 16" test coupon is needed)
Lot testing to be performed at an independent non government lab

Hardware & Misc. Mounting provisions will be incorporated into armor panels where needed (threaded inserts and tiny nutsert)
Rivets and mounting hardware included where needed
All other installation hardware (bolts, washers, [illegible]) are included where needed

NOT All rendering integration, nor was support during vessel kit up/fitment up and finishing all been included

Lead Time The typical ordering process for a vessel has the [illegible]
Measurements & CAD (completed)
Solution design (completed)
Quoting (completed)
Signed quote/deposit
Mock up kit/pattern - 1 mock up of each armor part is cut from plywood and fit onto the boat. All mounting points are located and drilled. Any modifications needed are figured out and incorporated into the [illegible] design
Armor panel manufacturing
Lot test to verify performance
Delivery
Installation

Export of these products is strictly prohibited without the export authorization by the U.S. Department of State, Directorate of Defense Trade Controls as prescribed in the International Traffic in Arms Regulations (ITAR), Title 22, CFR 120-130.

This pricing is strictly confidential and not to be shared with any third parties without written permission from Iron Knight Global, LLC.

Award Solicitation: CUSTOM BOAT ARMOR FOR 29' SAFE BOAT

Solicitation ITB 15342-24	Responses Received 1	Invited Suppliers 84
Procurement BU COJ BU	Active Responses 1	Will Participate 3
Close Date 4/3/2024 14:00	Shortlisted Responses 1	Responded 1
Solicitation Currency USD		

Lines

Number of Awarded Lines 0
Number of Awarded Suppliers 0

Total Award Amount

1 Custom Boat Armor for 29' Safe Boat

Requisitioning BU **IHHS: Homeland Security**
Line Type **Dollars**
Category Name **680.08 Police Protection Equipment (Body A**
Location **Patrol Administration**

Start Price
Current Price

Award Amount
Savings
Savings

	Target Value	Iron Knight Global, Inc. Response: 413392
Business Relationship		Spend Authorized
Supplier Site		Order/Remit
Response Status		Active
Shortlist Status		Included
Rank		1
Line Pricing		
Response Price		122,252.42
Unit Price Savings		
Unit Price Savings Percent		
Minimum Release Amount		
Award Decision		
Award		No
Award Amount		
Promised Delivery Date		4/2/2024
Note to Buyer		
Attachments		No

Last Downloaded **4/4/2024 9:09**

Award Solicitation: CUSTOM BOAT ARMOR FOR 29' SAFE BOAT

Solicitation **ITB 15342-24**	Responses Received **1**	Invited Suppliers **84**
Procurement BU **COJ BU**	Active Responses **1**	Will Participate **3**
Close Date **4/3/2024 14:00**	Shortlisted Responses **1**	Responded **1**
Solicitation Currency **USD**		

Line Summary

Requisitioning BU	Line	Item	Item Revision	Supplier	Business Relationship	UOM	Quantity	Response Quantity	Award	Award Quantity	Rank	Response Price	Promised Delivery Date	Supplier Site	Response
IHHS: Homeland Security	1 Custom Boat Armor			Iron Knight Globa	Spend Authorized			1	No		1	122,252.42	4/2/2024	Order/R	413392

Last Downloaded **4/4/2024 9:09**

Requested Delivery Date	Category Name	Location	Line Type
	680.08 Police Protection Equip	Patrol Administration	Dollars

ITB: 15342-24

Currency = US Dollar

Title	CUSTOM BOAT ARMOR FOR 29' SAFE BOAT	Open Date	3/6/24 4:51 PM
Status	Closed (Unlocked)	Close Date	4/3/24 2:00 PM
Time Remaining	0 Seconds	Abstract Status	Posted

Table of Contents

- Cover Page
- Overview
- Requirements
- Lines
- Contract Terms
- Suppliers

Contract Terms

View Contract Deviations | Download Contract

Contract Source: Terms Template

Contract Terms Template: ITB - Supply / Services

Clauses | Deliverables

A. Solicitation Overview

A.1. Scope of Work

The JACKSONVILLE SHERIFF'S OFFICE of the City of Jacksonville, Florida is currently accepting bids to obtain source(s) of supply for the item(s)/service(s) as outlined in the bid documents provided. The purpose of this bid invitation is to obtain information about your firm and its ability to provide these item(s)/service(s) and to obtain pricing commitments for CUSTOM BOAT ARMOR FOR 29' SAFE BOAT as listed in the bid documents.

A.2. Award

Award will be **ALL OR NONE** to the lowest responsive, responsible bidder(s) subject to the Buy American Preference clause described below. Bidders must bid on all items to be considered for award. The City reserves the right to reject any or all bids. **ALL** awards are subject to the availability of funds.

A.3. Term of Agreement

The term of the agreement is a One-time Purchase and will commence upon execution of the PO or contract and will continue until completion and acceptance of the stated Scope of Work as specified.

A.4. Quantities

Quantities indicated are fixed.

A.5. Federal Funding Provisions

This Project may be funded partly or in whole by the Federal Government. Therefore, Bidders must comply with the below Federal provisions set forth pursuant to C.F.R. §200.317-326 to be considered for award.

Bidders shall include the following forms with their sealed bids in addition to all other forms identified in the bidding documents:

Form 1 - Certification Regarding Debarment and Suspension

Form 2 - Certification Regarding Lobbying

1. REQUIRED FEDERAL AFFIRMATIVE STEPS.

The prime supplier, if subcontractors are used, must, at a minimum, take the following six "affirmative steps" to assure that minority firms, women's business enterprises, and labor area surplus firms are used when possible:

1. Solicitation Listing. The sub-grantee must place qualified small and minority businesses and women's business enterprises on solicitation lists.
2. Soliciting. The sub-grantee must assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources.
3. Breaking-up Requirements. The sub-grantee must divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by

OW

Overview Manage Solicitations **ITB: 15342-24**

Requirement: 3. Minimum Supplier Qualifications (ITB 15

Done

Section 2. General Requirements

Requirement 3. Minimum Supplier Qualifications

Requirement Text Bidders should submit or comply with the following requirements. Failure to submit any of these requirements may be grounds for rejection.

- Supplier shall provide proof of applicable local business license if located within Duval County.
- Bidder must have 3 years of experience in the design, fabrication, and installation of ballistic panels in a law enforcement/military maritime boat.
- Products that are Made in America are preferred, but not required, as part of this solicitation.
- All Opaque Armor must be processed at greater than 4500 psi.
  - A CoC (Certificate of Conformance) and other quality documents should be made available and shared showing the processing perimeter.

Hint

Properties

Level Supplier

Response Required

Requirement Type Multiple choice with single selection

Value Type Single line text

— Allow comments from suppliers

Scoring None

Attachments None

Acceptable Values

— Display target

View Format Freeze Detach Wr

Response Value

a. Acknowledge

OW

Overview Manage Solicitations **ITB: 15342-24**

Requirement: 2. Specifications (ITB 15342-24)

Done

Section 2. General Requirements

Requirement 2. Specifications

Requirement Text Specifications: Provide all items or services as identified on each line or identified below in accordance with all other Terms and Conditions specified herein. See the attachment(s) for additional information.

All equivalent/alternative items must **MEET** or **EXCEED** the specifications. It is at the sole discretion of the Jacksonville Fire and Rescue to determine if the alternative or equivalent product meets or exceeds the specifications. **IF THIS DETAIL IS NOT PROVIDED, THE BID WILL BE CONSIDERED INCOMPLETE AND WILL NOT BE CONSIDERED.**

* Product must be new. Refurbished, Remanufactured, Rebuilt or Used parts are not acceptable.

This Project may be funded partly or in whole by the Federal Government. Therefore, Bidders must comply with the below Federal provisions set forth pursuant to C.F.R. §200.317-327 to be considered for award. The awarded supplier must be registered in SAM.GOV.

Project Overview

The Jacksonville Sheriff's Office (JSO) is seeking a reputable and experienced vendor to provide and install custom ballistic armor on a JSO Marine Unit SAFE 29' Center Console boat. The custom ballistic armor will provide the operator and occupants enhanced ballistic protection during critical incidents that can occur on the waterways.

Current SAFE Boat Specifications

The boat described in these specifications is a SAFE 29 Center Console boat. Detailed specifications for the boat can be found at the website listed below.

https://safeboats.com/center-console-29/

In addition to the above link, we have provided the following documents for reference:

- Safe 29' Center Console Specifications
- Technical Drawing of JSO Safe 29' Center Console

We have also provided, within this Scope of Services document, photographs of the current JSO Marine Unit Safe 29' Console boat.

Armor will be designed and installed for the following locations:

- Center Console: Custom Opaque Ballistic Armor will be installed 360 degrees around the center console/helm including inside the storage lockers in the front and back of the console.
- Existing windshield and side vents: Transparent armored glass windows will replace the existing windshield and side vent windows.
- Canopy: Custom Opaque Ballistic Armor will be installed under the roof of the existing canopy.

Bidder Minimum Requirements

- Bidder must have 3 years of experience in the design, fabrication, and installation of ballistic panels in a law enforcement/military maritime boat.
- Products that are Made in America are preferred, but not required, as part of this solicitation.
- All Opaque Armor must be processed at greater than 4500 psi.
  - A CoC (Certificate of Conformance) and other quality documents should be made available and shared showing the processing perimeter.

Deliverables

1. Center Console Ballistic Protection

   a. The bidder will provide opaque ballistic armor along the front, back, sides and roof of the center console. For the front and back of the center console where storage locations are located, the opaque ballistic armor will be installed inside the storage areas for the overall protection of the occupants within the center consol. The armor will provide 360-degree coverage around the lower part of the center console and the roof (estimated at 98 square feet of coverage). Opaque roof armor will be installed on the underside of the roof structure. If equipment needs to be removed from the roof, bidder will be responsible for reinstalling all removed equipment and ensuring no loss in existing operability or functionality of said equipment.

   b. The bidder will install transparent armored glass (estimated at 11.32 square feet of coverage) replacing the current windshield and side vent windows. Transparent armored glass will be installed via direct bonding (glued in place).

   c. Bidder will also fabricate and install opaque armored ballistic doors (approximately 3' in width) on both sides of the center console. The doors must be designed to allow full 180-degree movement in and out of the center console. The doors must be able

to be locked in the following configurations: open, closed, 2-3 additional fields of rotation (bidder must specify at time of bid submission) to allow for increased protection around the center console during operation. Door must utilize a spring-loaded latch system.

2. Ballistic Sheilds

Two removeable ballistic shields will be fabricated and installed on the outside back wall of the center console. These shields are meant to be removed by an officer and used as additional protection during operations. The shields must have a dimension of at least 19" wide and 24" tall with a notch on the top left and top right corners for firearm placement. The shield must be made from an Ultra-High Molecular Weight Polyethylene material and weigh approximately 10.5 lbs. The shield must protect against NIJ 0808.01 Level III and III+ threats. JSO will consider other shield configurations; however, JSO will determine at its own discretion if the proposed shield is equivalent. The shields must also be buoyant in case they are lost off the side of the boat. The shields are not meant to be water safety floatation devices. Shields will be mounted using a quick release mounting system that protects the shields during normal boat operation but allows for easy accessibility when operationally necessary.

3. Mockups

Prior to final fabrication and installation, a mock-up must be created and built to represent the actual size and shape of all armor panels. The mock-up panels will be affixed to the boat for review and approval by the JSO. Any adjustments required will be incorporated into the final build.

4. Hardware & Non-Reoccurring Engineering

a. All mounting provisions for the ballistic armor will be incorporated into the armor panels where needed (threaded inserts and thru holes). Brackets and mounting channels are included where needed. All final installation hardware (bolts, washers, nylon washers, etc) are included where needed. Installation procedures shall be shared with and approved by the JSO prior to installation.

b. All Non-Reoccurring Engineering (NRE) for CAD modeling, integration, on-site support during armor fit/mock-up and final installation will be included in the bid.

Bidder acknowledges that the work performed under this solicitation is funded by the Port Security Grant Program. All work must be completed in accordance with the specifications and to the satisfaction of the JSO no later than August 31, 2025. Failure to complete the scope of services before the stated date will result in non-payment for any services rendered.

This bid contemplates all work being performed at a JSO location. If a bidder proposes completing the work at a different location, then any costs associated with the transportation of the boat must be included as part of their bid submission. Bidders may be subject to additional insurance requirements based on whether the work is completed at a JSO location or an off-site location. These requirements will be determined post-award with consultation from the City's Risk Management Division.

Armor Requirements

The proposed armor must meet or exceed the following specifications:

Ballistic Armor (Center Console, Doors and Roof Panels)

- Opaque armor must be fabricated from Ultra-High Molecular Weight Polyethylene (no more than 2.85 lbs /square foot), which must be processed at greater than 4500 psi.
- Amor will provide protection against 7.62 x 51 M80 NATO Ball per NIJ 0108.01 specifications
- Armor panels will be covered with a Line-X finished coating (color matched to existing vessel). The coating should add no more than 0.055" thickness or 0.5 lbs./square foot to each panel.
- Edge train & corner guards will be installed as needed for required durability
- Seams between the armor panels will be covered with high hard steel strips (approximately 4" wide)

Transparent Armor (Wind Shield and Side Windows)

- Transparent armored glass will be installed to replace the front windshield and the two side windows on the sides of the center console
- Armored glass should be 20 lbs./square foot and no more than 1.71" thick
- Armored glass will provide protection against 7.62 x 51 M80 NATO Ball per NIJ 0108.01 specifications
- Armored glass will have a black fritting around the perimeter to protect the bond line from ultra-violet degradation

Testing of Armor

Prior to installation, the proposed armor solution (both the ballistic armor and transparent armor) must be tested at a third party, non-government test lab. The results of the test will be shared with JSO. The JSO must review and approve the test results prior to final installation of the armor solutions.

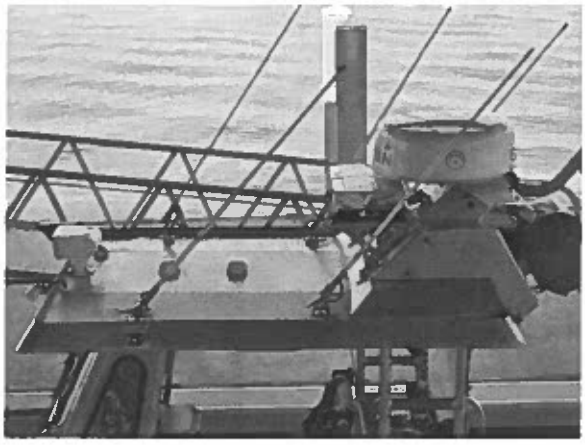
Warranty Information

Bidders must specify warranty coverages, if any, for each type of armor installed under these specifications for both workmanship and materials. At a minimum, the bidder must warranty the manufacturing and installation of the armor around the Center Console, Doors, Roof Top

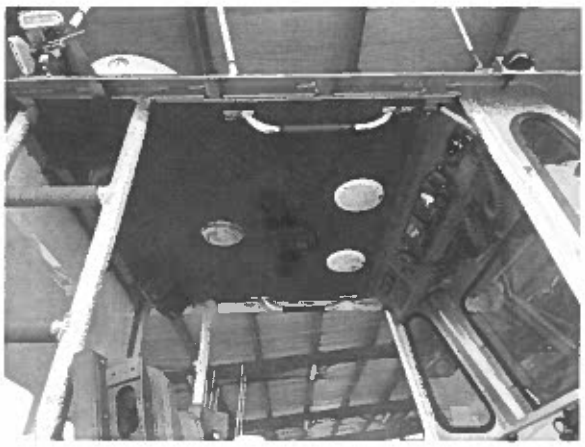
JSO Marine Unit 29 Safe Center Console Boat Photos

Front View of Center Console 	Side View of Center Console
Side View of Center Console 	Rear View of Center Console
Front View of Electronics Cabinet 	Front View of Electronics Cabinet

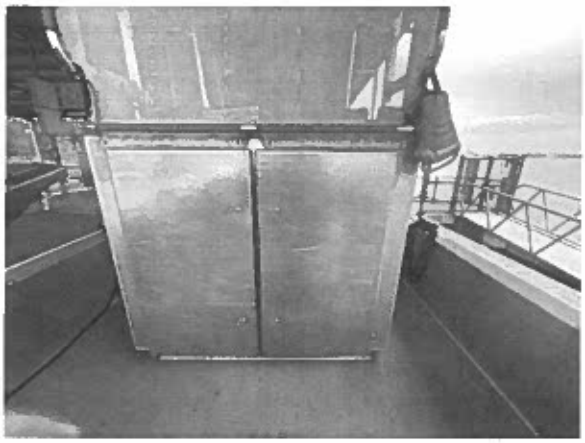
Roof Top View of Center Console



Underside of Roof Top for Center Console



Rear View of Center Console



Internal Rear Cabinet of Rear Console

Inside Center Console View

Inside Center Console View