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SUBJECT: MARINE FIREFIGHTING AND RESCUE VESSEL

BID #: XF-0373-24 **OPEN DATE: 04/24/2024**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: Supply Contract – One-Time Purchase.

AGENCY: Jacksonville Fire and Rescue

BASIS OF AWARD: All or None to the lowest responsive, responsible bidder.

NUMBER OF BIDS INVITED: (28) **NUMBER RECEIVED:** (2) **OTHER:** (1)

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to reject all bids as the pricing received exceeds the budget. Jacksonville Fire and Rescue will be revising the specifications for a rebid in the future.

Attachments: Recommendation Memo, Bid Tabulation, Rejection Letters, Terms & Conditions, Specifications

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

CONCURRENCE BY: Keith Powers – Director/ Fire Chief

(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 _____

FIRE AND RESCUE DEPARTMENT

June 5, 2024

TO: Dustin Freeman, Chief of Procurement

FROM: Keith Powers, Director/Fire Chief

SUBJ: **BID XF-0373-24 MARINE FIREFIGHTING AND RESCUE VESSEL**

The Jacksonville Fire and Rescue Department (JFRD) has reviewed all bids submitted for Bid XF-0373-24 Marine Firefighting and Rescue Vessel. At this time, we recommend rejection of all bid submissions as pricing received greatly exceeds our budgetary allotment. We will be re-submitting a new bid with adjusted bid specifications in the future.

Award Total: None

Funding Source: None

If you have any questions, please contact Dan Pearson at (904) 255-3265 or Tamara Hertlein at (904) 255-3275. Thank you.

KP/tjh

TITLE: MARINE FIRE FIGHTING AND RESCUE VESSEL - REBID

BID NO: XF-0373-24

OPEN DATE: 04/24/24

ANALYST: Olive Wallace-Cohen

NO. INVITED: (28) No. Received: (2) No Bids: (1)

RECORDED BY: MELISSA PIERCE

ANNOUNCER: MICHELLE SPITLER

ITEM #	DESCRIPTION	QTY	UOM	GRAVIOS ALUMINUM BOATS, LLC Dba METAL SHARK BOATS	NOVIELLI BOAT BUILDERS, INC.
1	Marine Fire Fighting and Rescue Vessel (per bid specifications)	1	EA		
	TOTAL BID PRICE				
	Notes				To be REJECTED: Vendor did not sign Bid Form which is a "Major Irregularity" in accordance with Pages 15 & 19 - Bid Form Certification and Supplimental Conditions. Corrected errors were also not initialed.
	Delivery			365-395 Days	270 Days
	Federal Forms A through H			A through H	A through H
	Conflict of Interest:			✓	✓
	Addendums (1):			1	

TERMS AND CONDITIONS

MARINE FIRE FIGHTING AND RESCUE VESSEL - REBID

1. SCOPE

The City of Jacksonville, Jacksonville Sheriff's Office (JSO) is currently accepting bids to obtain a source of supply for the items/services 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 items/services and to obtain pricing commitments for **MARINE FIRE FIGHTING AND RESCUE VESSEL** as listed in the bid documents.

This Project may be funded partly or in whole by the Federal Government. Therefore, Bidders must comply with the Federal Provisions provided in these bid documents as set forth pursuant to C.F.R. §200.317-327 to be considered for award.

All equivalent/alternative items must **MEET** or **EXCEED** the specifications. It is at the sole discretion of the Jacksonville Sheriff's Office 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.

2. AWARD

Award will be ALL or NONE, whichever is in the best interest of the City of Jacksonville, to the lowest responsive, responsible bidder. The City reserves the right to reject any or all bids. ALL awards are subject to the availability of funds.

- As per Section 126.114 of the City of Jacksonville Ordinance Code, preference will be given to a responsive and responsible vendor offering American manufactured, assembled, or produced goods, and who is within 5% of the lowest responsive and responsible bidder. To receive this preference, the bidder must complete the attached Buy American Preference Compliance Certificate and attach supporting documentation and/or evidence attesting that at least 51% offered in the bid response is manufactured, assembled or produced in the United States..
    - Bidder is not required to submit for the Buy American Preference. Bidders may quote items less than 51% American made but will not be eligible for the preference.

Restrictions and exemptions may apply. Please refer to Section 126.114 for specifics

3. TERM OF AGREEMENT

This is a one-time purchase.

4. PRE-BID CONFERENCE

Not Applicable..

5. STATE CONTRACTS

The City reserves the right to utilize contracts established by the State of Florida and or other governmental agencies for item(s)/service(s) covered under this bid. The city reserves the right to cancel this contract in whole or in part for such item(s)/service(s).

6. QUANTITIES

Quantities indicated are fixed. The City reserves the right to add or delete items, or increase the volume of services required, or not to make any purchase against this bid if it so deems necessary at any time during the contract period.

7. DELIVERY

Jacksonville Fire and Rescue Department, 355 Ellis Road, Jacksonville, Florida 32254 Attn: Tactical Support. A packing list shall accompany all shipments, which shall indicate, at a minimum, the following: purchase order number, item number and description, date of shipment, quantity ordered, and shipped, unit price, and unit of measure.

Delivery of completed vessel must be no later than 270 calendar days from issuance of purchase order to vendor and contract shall include delivery to the designated marina by JFRD and include all paperwork required for registration.

8. ESCALATION/DE-ESCALATION

Not Applicable

9. PRICES

All unit prices shall include freight, delivery, and handling charges to the delivery location as outlined in the bid documents.

10. PICK UP AND RETURNS

The City reserves the right to return an order in whole or in part if the merchandise is not in compliance with the bid specifications. The City or its agencies will determine compliance with bid specifications. Pick up and returns will be made within 48 hours of notification at no charge to the City or its agencies.

11. COMPLIANCE WITH SPECIFICATIONS

The bidder, by affixing their signature to the bid form submitted, agrees to provide item(s)/service(s) in accordance with the bid documents provided. Bid only a single offering for each bid item. Multiple offerings, alternates (unless stated) and or stipulations may be cause for bid rejection. Bid only on forms provided herein unless otherwise stated. Bid submissions shall be in ink or typewritten. All corrections must be initialed.

12. INVOICING

Invoices will be issued once supplies/services are delivered and/or rendered to the City of Jacksonville or its agencies. At a minimum, invoices must include; purchase order number or contract number, item number and description, date of shipment, quantity ordered and shipped, unit prices, unit of measure, and extended totals. Payment terms are Net 30 days. All original invoices shall be submitted to: City of Jacksonville, General Accounting Division, 117 West Duval Street, Suite 375, Jacksonville, Florida 32202. All original invoices shall be submitted to: COJ1CloudInvoices@coj.net. The invoice email subject line **MUST BE**: inv_300000008806179. Invoices can also be submitted through the 1Cloud Supplier Portal. Payments may be made as outlined, if applicable, in the bid specifications.

13. INSURANCE/INDEMNIFICATION

Each supplier shall maintain, for the entire term of this bid, current insurance coverage as stated in the bid documents. All insurance certificates shall list the City of Jacksonville as an additional insured. Bid number should be listed on certificate. The awarded vendor will be required to submit the copy of the insurance certificate within ten (10) calendar days after receipt of award notification. Failure to submit required certification of insurance could lead to rejection of your bid.

14. REPORTING

The City may request, during the term of this bid, reports including but not limited to; usage, pricing, and delivery. Suppliers will be required to provide reports requested in hard copy and electronic format as required.

15. SUPPLIER ACCESSIBILITY

The City or its representative must be able to contact, during normal business hours, by telephone or email any supplier providing goods or services to the City or its agencies. Any supplier accessibility requirements outlined in the specifications supersede this section.

SPECIFICATIONS

MARINE FIRE FIGHTING AND RESCUE VESSEL - REBID

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.

I. SCOPE OF THE CONTRACT

The work performed under this contract shall consist of the complete design, construction, outfitting, testing, and delivery of one 32' 10" molded (37' 8" LOA) length aluminum Offshore vessel. Delivery is to be made to the Jacksonville Fire and Rescue Department, Florida. Construction of the vessel shall be in accordance with this specification and to the highest standards of marine construction. The vessel shall conform to all regulatory standards in effect at the time of construction.

1. The bidder shall provide all labor, engineering, equipment, materials, supplies, tools, transportation, storage, design, administration, and quality control for the construction of the vessel and successful completion of the project.

2. A qualified representative shall familiarize the purchaser in the operation, care, and maintenance of the vessel and bidder supplied equipment.

3. The contract shall include the delivery to the designated marina and include all paperwork required for registration.

4. The bidder must have a system in place to evaluate and accommodate appropriate and timely design suggestions or installations of purchaser supplied equipment. Such installation may be at additional cost, additional cost shall be agreed to by the parties. The builder will provide design change/addition criteria to purchaser.

5. Progress payments will be available after completion of the following delivery schedule benchmarks:

- **20%** after preconstruction conference at such time that the metal is onsite, and construction has commenced.
- **20%** at completion of metalwork construction
- **20%** at receipt of Engines and Rigging, and install has commenced.
- Final payment of **40%** at delivery and receipt of Manufacturers Statement of Origin and all documentation including pump test.

6. Delivery of completed vessel must be no later than 270 calendar days from issuance of purchase order to vendor.

II. GENERAL DESCRIPTION

1. Bidder will provide a cabin marine aluminum, open-ocean, and offshore fireboat with rescue capabilities with (10M) s 32'10" X 8'6" with a draft of 22". It comes complete with 5/16" bottom and 3/16" hull sides. The deck is 3/16" non-skid plate. The entire structure complies with ABS welding standards and conforms to ABYC standards. Furthermore, the boat meets USCG CFR 46. The boat shall incorporate a push knee on the bow of

the boat with heavy duty rubber, in the event of a head-on collision. It shall include a full Marine 10-year hull warranty.

2. New Triple Mercury Outboards with a minimum of 300 HP four-stroke gas engines. The Engines shall be of the current calendar year (**remanufactured will not be accepted**). The vessel must be of proven design with a minimum of 5 years in service. The design must meet applicable NFPA 1925 requirements. The vessel will be a **Type IV vessel and provide positive flotation if holed** (Foam filled in Void spaces). Bidder to provide details and references of five similar vessels in service.

A. WATERWAY ACTIVITY

1. The fireboat will be harbored in Jacksonville, FL. The Vessel will mainly be required to respond Offshore to serve as both a Rescue and Firefighting Vessel. Secondarily the Vessel will be required to respond in the St Johns River. The fireboat will also be required to operate in tropical storm conditions with sustained winds up to 40 knots. The fireboat is expected to operate in driving rain and dense fog, and during all times of the day and night.

B. DIMENSIONS and PRINCIPAL CHARACTERISTICS

Length Overall 37'8"

Beam Overall 9'9"

Beam Molded 8'6"

Weight

Dead Rise 22"

Draft 1'10"

Fuel Capacity Minimum 300 Gallon

Top Speed Minimum 42 knots

Hull: 10 Year Warranty

C. WORKMANSHIP and STANDARDS

1. All work is done to high quality marine construction standards. All welding will be in accordance with welding procedures approved by the American Bureau of Shipping, Rules for Building, and Classing Aluminum Vessels. The hull construction shall be welded, all welds continuous inside and outside all seams. No rivets. All weld spatter, soot, and construction scars will be removed or faired. All sharp edges and corners are dressed to prevent hazards to personnel and equipment. The vessel will be constructed of **5083** series marine grade aluminum plate and 6000 series aluminum extrusions. No 6000 series aluminum shall not be used below deck as stiffeners against the hull skin to prevent corrosion.

2. All fastenings to/through the hull shall be aluminum or 316 series stainless steel. If stainless steel, they shall be isolated from aluminum. The utmost care must be taken to ensure that any chance of corrosion is eliminated. Each manufacturer is responsible to explain how they isolate stainless steel from aluminum.

III. CONSTRUCTION REQUIREMENTS

A. GENERAL

1. The bidder shall provide engineering services, for such time as may be necessary for the technical supervision of the assembly, testing and certification of the vessel. All costs for 6 members of JFRD for inspection included.

2. All costs for 6 members of JFRD for inspection, including Design/Plans review, Midpoint and final Inspection shall be at Bidders expense. The vessel shall be constructed in accordance with and comply with all

applicable United States Coast Guard Rules and Regulations, Code of Federal Regulations 46, American Bureau and Yachting Council and American Bureau of Shipping.

3. All equipment shall be arranged so that it cannot be damaged by bilge water or within 12" of the bilge, connections shall be contained in NEMA boxes as required by applicable standards.

4. All parts of the vessel shall be constructed of materials appropriate for the environment in which the vessel will operate. Vessel will operate in a saltwater water environment.

4. The vessel shall be designed so that the various systems and parts are readily accessible for inspection, adjustment, maintenance, lubrication, and repair. Placement of equipment whenever possible shall allow for its removal from the vessel without having to disturb permanently installed structural members, or equipment shall be situated to allow for in-place overhaul and repair.

5. Access and lightening holes shall be arranged clear of concentrated loads or areas of high stress.

6. Vessel shall have a field of vision from the helm suitable for safe navigation in all operating conditions and meet ABYC requirements.

8. Port and starboard lights shall be provided and shall be controlled by a switch panel.

9. Vessel shall be equipped with a wheelhouse and large aft deck. The cabin shall be enclosed and engineered for a three - person crew plus EMS providers/patients. Cabin shall have roof access by an exterior ladder with sufficient step size and grab rail.

10. All windows, construction openings, piping and doors to cabin shall be weather tight.

11. Vessel design shall maximize storage in all areas, including inside the gunnels, and in the cabin.

B. DRAFT REQUIREMENTS and HULL CONFIGURATION

1. The fireboat draft will not exceed 22 inches in depth.

2. The hull design will be a deep "V' bottom with 22-degree deadrise aft and meets ISO 12217 stability requirements. Vessel stability must be met without using added stability such as a foam collar. A "D" shaped rub rail shall be on the outside of the gunnel at deck level. The vessel shall have full length tangent chines to give a soft ride in rough water. Hull design shall be such as to reduce roll-out in high-speed turns to the maximum extent practical.

3. The vessel must be extremely stable so that heavy loading on one side will not produce a large list.

4. While underway, the hull must be able to move spray and waves outboard giving a "dry' ride.

5. During initial takeoff acceleration, the ride should be flat and not upward, with a trim angle not to exceed 6 degrees. Design shall include Plane assist system/program (example Zip Wake). This should reduce wet surfaces and give high top speeds and efficient cruising capabilities without putting excessive loads on engines. Appropriate push knees with D rubber fendering will be incorporated into the bow design and not adversely impact visibility or appreciably affect performance.

7. Bow shall have push knees.

9. Boat Shall maintain full buoyancy while in reverse.

C. PILOTHOUSE

1. The pilothouse will be fully enclosed and fitted out with 2 fixed windows aft and 4 sliding windows on the cabin sides, fixed 2 windows forward. The Cabin shall include Sliding doors both port and starboard with a Hinged door leading to the aft rear deck. Five fixed spotter windows, one each port, starboard and 3 front on cabin roof. All windows shall be constructed of safety glass. The pilothouse will be outfitted with a control console forward and to the starboard side. All vessel controls, gauges, breakers, electronics, etc. are installed in

the control console within immediate reach of the helmsman. The cabin has good overhead clearance of **6'10''** minimum in the pilothouse. The configuration of the pilothouse should be configured with forward sliding windows to give the best visibility and ventilation as possible. The cabin shall have shock mitigating rubber flooring. The flooring shall be removable and of a type that's easily maintained.

2. Cabin windows shall provide 360-degree unobstructed visibility from the helm with the cabin door open or closed. Windows shall be tinted safety glass with 98% UV blocking. All windows and aft cabin door shall be weather tight, waterproof, and locking. Rear, Port and Starboard cabin doors shall have an integral stainless lockset, be fully insulated, and be fitted with dogs for vessel security. The front windshield shall not be tinted and shall include **a heating element for quick defrost**.

3. The cabin windshield shall be slanted forward bottom to top to reduce glare and better visibility. Roof spotter windows shall be mounted in the cabin roof for upper visibility as per the bidder's design. All windows shall be anodized aluminum frame of high quality.

4. The cabin shall be constructed, and sound insulated to provide a maximum internal cabin (dB) decibel rating of 85 db. with the door and windows closed when operating at rated engine capacity in any weather condition. Adequate acoustic insulation of hull, cabin, pump space, and engine space to provide this maximum level of noise exposure is the responsibility of the Bidder.

5. The front windshields shall have windshield wipers with intermittent operations, and a freshwater reservoir.

6. The front windshield shall have a system in place to defrost the front windshield in all weather conditions. Type to be determined by JFRD.

7. There shall be hinged radar mast installed on the aft part of the cabin roof. The mast must be easily hinged and handled by one person in all weather conditions. The mast must be supported and locked down when inverted. Bidders to provide drawings. The following items must be able to be mounted on the mast or arch: radar scanner, other navigational lights, and flag halyard.

8. Floodlights will be such to fully light up a scene for 360 degrees, and light up the work deck.

9. The pilothouse will include a designated space for a work bench and storage under it.

10. Cabin shall have rubber stress matting throughout, to reduce crew stress. Matting must be removable and washable.

11. Vessel shall have a fully insulated interior. All cladding shall meet USCG fire rating requirements. Cladding shall be easily cleaned and maintained. The bidder shall supply sample and descriptive literature to detail the cladding they propose. Paneling should be easily removable and cleanable for craft maintenance.

12. Exposed interior aluminum shall be painted with light Grey Zolatone paint. The cabin shall have a white exterior and the Hull shall be non-painted finish (to be determined by JFRD) with appropriate epoxy primers. The hull bottom will be an international system with epoxy primers and antifoul as per the paint manufacturer's specifications.

13. Helm seats shall have a minimum of 20 inches in width. Three suspension type seats with fore and aft slides shall be provided. Armrest shall be operable. Mounting shall provide for area below seat to be used for storage.

14. Cabin shall provide at a minimum the following items: a hinged chart table between the 2 starboard seats. This shall be mounted aft of the helm seat. And ahead of the navigator's seat. There shall be an engineer's station/console to port of the helm with a third helm seat.

15. The cabin roof must be reinforced to support the weight of personnel without damaging the structure.

16. Non-skid type material shall be installed on the entire roof area.

17. The cabin shall have charging ports consisting of USB/12V/110 number/placement to be determined by JFRD during plans review.

18. The cabin shall be both heated and cooled efficiently and quickly in all weather conditions/climates. Type of system shall be determined by **JFRD** and must be of a type which is easily serviceable locally in **Jacksonville, Florida**.

19. Add 4 cabin fans Model to be determined by JFRD.

20. Add quick access for CBRNE filter.

21. Plate section shall be mounted above seating/bench area for SCBAs (to be mounted by JFRD).

22. The cabin shall have seat bench storage starboard side with 4x6 foot storage bin aft end of seat.

23. The roof shall have handrail.

24. Vessel shall have FX-16 anchor, chain, Rhode, mount, alum anodes. Additionally, the cabin shall have 3 cupholders, pike pole mounts.

25. Seating to include footrests location determined by JFRD.

26. Cabin to include 4 Cabin fans supplied and installed by Bidder.

D. ELECTRONICS and NAVIGATION EQUIPMENT

The following marine electronic equipment shall be provided by the Bidder and installed by the boat builder:

- Icom 506 VHF radio with talk back feature with speaker. Bidder to install JFRD Fire Radio (supplied by JFRD)
- Depth sounder/Chart plotter –The Chart plotter will be installed with Chirp Chip.
- Ray Marine electronics and side scan with a minimum of 800 Hertz (Type and Model determined by JFRD)
- Shall include 8612 xsv with GT56UHD-THP thru hull transducers.
- -Bow thruster (Optional)
- 18XHD 4KW radar dome, integrated with GPS with electrical supply cable runs.
- lightbar installed above cabin top (visible 360 Degrees).
- 2 Epirbs
- Emergency flashing LED lighting on all four sides of the Cabin at or above the roof line location to be determined by JFRD.
- Two Way Satellite Communication System utilizing Pole to Pole coverage (Garmin).
- The bidder shall provide all required antennas.
- Autopilot System
- FLIR Infrared System to be installed with camera installed on Tower (Type and Location to be determined by JFRD).
- Richie Compass shall be installed on dash (Type determined by JFRD).
- Zipwake interceptors and hull mounts
- Bidder shall arrange and install emergency lights on the cabin roof with bracket.

- Light package shall be a high-powered LED package type to be determined JFRD.
- Search light shall be Golight LED searchlight with wipe all button at navigation station. Also include PA300 siren and Anchor light

E. WORK DECK and EQUIPMENT

Deck area will be self-bailing and coated with a non-skid safety surface. The deck will have a large work area to facilitate dive operations, fire operations, rescue operations, and medical operations.

There must be an aft deck/work area behind the house at foredeck level. The boat shall have a Fire Pump with a 1500 GPM rating.

1. A large tow post will be located on the stern for towing and will be attached to a structural member of the vessel.

2. Aluminum railings, minimum 1-1/2" will be used on the vessel for safety. The railing will extend around the forward half of the foredeck to the bow ramp on top of the gunnel. There shall be safety railing mounted on the cabin roof sides.

3. Stokes Basket mount to be included location to be determined by JFRD.

4. The dive doors shall be located on both port and Starboard sides to the rear of the Pilothouse and shall be 30" in width. The cut out shall be as low as possible. It will be used for boarding and retrieving people from the water.

5. The roof shall be accessed by ladder(s). A ladder utilizing bent ¾" aluminum pipe welded to cabin to allow cabin top access. Location(s) to be determined by JFRD. This ladder shall be of size to be utilized safely in all-weather conditions.

6. Courtesy lighting shall be provided for safety on both fore and aft decks.

7. Bow/Stern storage shall be provided location to be determined by JFRD.

8. The forward, aft deck and the cabin decks shall be the same height. Decks and hatches shall be quick draining, so hatches do not hold water.

9. The pump/engine hatch shall be weather-tight, drainage shall be provided to reduce collection of standing water. Hatches shall be provided with robust 316 Aluminum hinges to prevent movement during rough conditions.

10. Large Storage Box shall be provided on deck. (Location TBD by JFRD)

11. Four (4) Helmets, Four (4) Throw bags, Four (4) dock lines, Four (4) Large bumpers shall be provided with the Vessel.

12. Davit to be installed in Stern Area. (location to be determined by JFRD)

13. Vessel shall include storage area for Davit.

F. ELECTRICAL

1. Wiring shall be installed as per ABYC and United States Coast Guard Rules and Regulations as a minimum. The Bidder shall provide an electrical schematic in the manual package.

2. The schematic shall be a one-line diagram, follow the electrical runs as installed in the vessel, and match the labeling of the wiring runs. This shall not be a generic drawing, but an exact diagram of the purchased vessel.

3. Wiring shall be loomed, and all hull contact points shall have grommets, all wiring runs shall be properly supported with no chafe points.

4. Wiring runs shall be concealed behind cabin walls, cladding, or decorative cable trays, etc. Exposed wiring will not be accepted. Wiring shall be isolated from the hull to prevent electrolysis.

5. Wiring runs shall have easy access through removable panels and cable trays. Bidders shall provide details of their standard wiring installation practice with their bids.

6. Navigation lighting will be provided by USCG regulations for vessels of this size and service and marine grade. Approved lights will be arranged to display the correct light signals for free running and anchoring.

7. Electrical breaker panels shall be DC panels with sufficient and properly sized breakers for electrical and electronic gear. Breaker panels shall provide four additional breakers as spares for future additions to the vessel. All breaker panels shall be Blue Sea backlit panels and have indicating lights for each breaker. A second panel shall be readily accessible to the helm and control the following items (other panels may be acceptable, but bidder will need prior approval before bidding alternate panels):

Pilothouse:	(3) Red/White interior lights
	(1) Compass
Deck:	(4) One each side, one bow, one stern
	(2) LED courtesy lights
	Anchor light
	Navigation lights
	Transom or stern light

8. All lighting is to be LED to reduce the amp draw and to reduce maintenance cost.

9. All DC power shall be controlled by a single master breaker.

10. Batteries shall be stored in secure waterproof, properly vented, corrosion resistant battery boxes. Battery box shall be fully accessible. Battery cabling shall be #00 gauge as a minimum.

11. The vessel shall be provided with an appropriate marine four-way battery isolator switch mounted in the wheelhouse. The switch shall be mounted in an accessible area adjacent to the helm.

12. Four (4) AC outlets will be mounted on the interior, locations to be determined.

13. Vessel shall be provided with a dimmer switch to control gauge and compass brightness during night operation.

14. Vessel will have a battery charger. All batteries shall be charged from the engine. Switches shall have field disconnects to protect alternators.

15. Battery voltage monitoring shall be accomplished using a Blue Sea Systems digital three-bank voltmeter, to be connected to each battery.

16. Battery Charger to be BlueSea P12-25-amp output.

17. Shore Power connection shall include dual source electrical panel, isolation transformer, smart power plug with 50'cord (port rear inlet).

18. The builder will perform an electrical load analysis to determine necessary generation needs for all installed electrical equipment and provide adequate generation capability.

19. Vessel will be supplied with a marine gasoline powered generator of 5KW or larger to power the AC system. The generator and its cooling and exhaust systems shall be mounted aft deck and shall be fully accessible. It shall have its own panel in the cabin with remote starting.

20. The generator raw water pick up must be in a location to allow it to be used while underway so it shall never lose prime.

21. Generator type shall be determined by JFRD and must be of a type which is easily serviceable locally in Jacksonville Florida

G. FENDERING and MOORING

1. A heavy duty 3" 'D' shaped rubber shall be fitted around the bow and sides of the vessel.

2. 6 Large cleats to be located (3 each side) port and starboard side and will be welded to the top of the gunwale.

3. A heavy welded aluminum bow eye will be affixed to the stem for trailering.

4. A heavy-duty push knee fender system shall be fitted to the bow. The push knee shall be fitted with D-rubber fendering.

5. A 2 tiered 1 ¼" aluminum removable engine guard with rope guides for towing shall be installed around the propulsion engines.

H. PAINT, MARKINGS, and PREPARATION

1. The paint system must be epoxy or polyurethane and must provide corrosion resistance from stray electrical current. Painted areas shall be sandblasted and prepared in accordance with the paint manufacturer's specifications. Topcoats shall be free of runs and have a high gloss finish. Final paint dry film thickness shall be provided in accordance with the paint manufacturer's instructions. Unpainted Aluminum (finish to be determined by JFRD) with the required bottom coating and sealing.

2. The interior exposed aluminum surfaces shall be painted with light grey Zolatone, the exterior of the cabin shall be painted white with appropriate epoxy primers and the bottom shall be antifouled.

3. The underwater portion of the hull will be coated with an epoxy bond coat and antifoul paint according to International Coating recommendations. Two coats bottom paint over three coats underwater primer.

4. Vessel to include JFRD Red lettering "Jacksonville Fire Rescue" and Red/Gold stripe installed by Bidder. JFRD to include Medallion to be installed by JFRD. JFRD will determine all colors of lettering and stripes.

IV. FIRE MAIN SYSTEM and DISCHARGE OUTLETS

A. FIREFIGHTING CAPABILITY

1. The fireboat will be able to pump at a minimum of 1500 gallons per minute at appropriate nozzle pressures. Higher gpm is desired. Water will be delivered to a minimum of three locations on the boat.

2. The 2000 GPM Elkhart 8394 brass hard-wired monitor will be operated electronically from inside the cabin at the firefighting control station for the **Roof mounted monitor**. The firefighting control center shall provide complete control of the fire pump and associated automated equipment. The control center shall provide maximum visual observation of firefighting operations, while maintaining protection from smoke, heat, and weather. Piping shall not obstruct the vision of the operator or crew at any time.

3. Pump monitoring pressure gauges shall be provided and be adequate for the proper and safe operation of the pump. This shall include pump engine controls, discharge pressure gauge, oil pressure and temperature gauges. All controls and gauges shall be mounted at the firefighting console top port of the helm station.

4. The pump shall have 2 X 5" large diameter discharges on the foredeck, up on the gunnels. Piping shall be 4 or 5" as required schedule 40 aluminum pipe. All 3 discharges are to have individual shut-off valves.

5. Install an indicator that tells the operator what position the roof monitor is in..

B. HYDRANT OUTLETS

The fireboat will be able to deliver water to a shore side dock or vehicle supply. The shore side supply will be provided through a 5" Storz coupling with cap.

C. FIREFIGHTING PUMP SYSTEM

1. A single, dedicated gasoline marine engine shall be used to power a fixed firefighting system. Fuel shall be supplied by 1 fuel tank. The marine engine's horsepower must be able to drive a fire pump to deliver a minimum of 1500 GPM.

2. All components shall have design pressure ratings greater than the maximum pump discharge pressure.

3. The suction arrangement for the pump shall include a sea chest with a screened inlet, a valved outlet, and cleanout access from the working deck.

4. The open area of the screen shall be at least twice the cross-sectional area of the suction pipe.

5. The sea chest shall be provided with a back-flush system. The back-flush system may be air or water and shall have cathodic protection.

6. Piping shall be supported from the vessel structure to carry the load of the water-filled pipe plus a minimum of 50% overload supplied at the point of support.

7. Bracing shall be provided to resist nozzle reaction of discharge devices.

8. Easy access drains shall be provided to all portions of the discharge and distribution piping.

9. Vessel shall have a means of flushing the piping system with fresh water.

10. All piping shall be hydrostatically tested at 250 PSI for not less than one hour.

11. All pump controls and gauges shall be mounted at the helm.

12. The engine must be a new marine engine.

13. Vessel shall be provided with manufacturer's standard engine gauge package with the following as a minimum: engine hours, tachometer, voltmeter, fuel, trim, coolant temp, oil pressure, engine temperature, and oil pressure.

18. Audible and visual warning devices for high engine temperature, and low oil pressure, convenient to the operator position shall be installed for each engine.

19. Bidder shall guarantee engines and transmissions are installed in accordance with manufacturer's specifications and instructions. The bidder shall ensure manufacture certification of all installations.

20. All equipment shall be arranged so it cannot be damaged by bilge water.

V. PROPULSION DRIVE SYSTEM

1. The vessel shall be powered by Triple Mercury 300 HP V8 4.6 L engines. The outboards shall be new and of the current calendar year 4-stroke gas engines. (**Remanufactured Will Not be Accepted**). Bidder shall provide and install engines and related accessories as per engine manufacturer's specifications for installation. Bidder shall meet steering manufacture's specifications for installation and operation. A binnacle control shall control engine throttle and transmission gear.

2. The vessel will have a top speed of no less than 42 knots. This shall be reached with the vessel crewed with 4 members of the Department (each to be 220 pounds) and rescue and fire-fighting equipment.

3. Stainless steel, counter rotating props will be used with outboard engines.

4. The engines shall be surrounded by a heavy-duty aluminum 2 tier outboard guard, bolted to the vessel with towing guides. A raised section to prevent a tow line from sliding off will be installed on the bar outside of each engine.

5. Bow thrusters (Option).

6. The boat shall be required to reach plane at a minimum of 15 seconds and reach minimum top speed of 42 knots within 45 seconds. These requirements Shall be used to determine Horsepower Rating and Motor Manufacturer.

7. The Motor manufacturer must also meet additional requirements of Warranty and Maintenance as set forth in this Bid Spec.

8. The Boat shall have an outboard bracket to assist with engine performance.

9. The engines shall be spaced maximum distance apart for increased maneuverability.

10. The Boat shall have a plane assist system (Zipwake).

VI. FUEL TANKS

1. There will be either single or dual aluminum fuel tanks with a minimum capacity of 300 gallons of fuel. These tanks will be built and hydrostatically tested to the Safety Standards for Small Craft specifications. Fuel tanks will be suitably baffled, fitted with electric level gauges and isolated from the hull structure by neoprene or rubber padding. They will be strapped and supported by a support system.

2. Racor fuel filters.

3. Fuel gauge(s) at helm station.

4. The fuel tanks shall be secured in the Hull and protected by a watertight bulkhead.

5. Deck hatches shall be acoustically and thermally insulated.

VII. ALARM SYSTEMS

1. The vessel will be equipped with bilge high water alarm sensors for each hull compartment, and a high temperature fire detection sensor in the machinery space, all wired to panels at the control stations. These alarm circuits will activate visual and audible warning devices at the control station in the event of a dangerous condition.

VIII. CATHODIC PROTECTION DEVICES

1. The bidder will have the vessel equipped with a corrosion monitoring and control system. A multi-level meter will be installed in the console and connected to a reference anode to the hull.

2. The engines will be fitted with zinc anodes provided by the manufacturer.

3. Zinc hull anodes will be located wherever the boat builder sees fit to reduce corrosion due to electrolysis. Zinc mass shall be calculated as per ABYC requirements.

IX. BILGE PUMPS

1. The vessel will be equipped with two independent bilge pumps located in separate sections of the hull. The submersible pumps should have a minimum capacity of 2000 GPH each. Each pump will have an internal float switch and will be controlled by a toggle switch in the pilothouse. These toggle switches will allow for automatic or manual activation of the pumps. Each bilge pump shall have independent power feeds that are wired separate from the electric panel.

X. WARRANTIES

1. Hull and deck: minimum 10 years on materials and workmanship.
2. Engines and pump: full manufacturer's warranty.
3. Equipment: manufacturer's warranty.

XI. TRIALS:

The fireboat must successfully complete the trials listed below:

1. Maneuverability in various sea conditions.
2. Acceleration and deceleration while underway.
3. Fire pump capabilities include master stream shape, gpm output, and effect on the boat while monitor is flowing maximum capacity of pump.
4. Testing of all equipment on fireboat. The successful bidder shall make repairs, corrections, or re-designs, as appropriate, at no additional cost, if the boat fails the tests. The successful bidder will be responsible for transporting the boat back to the original place of manufacture for any work or modifications needed after trials during the warranty period.
5. The successful bidder shall notify the purchasing agency at least (2) weeks before the date set for the sea or machinery trials.

XII. MANUALS

The bidder shall provide two (2) copies of the vessels operating manuals (one copy must be electronic). Systems covered shall be Maintenance, Navigation, Main propulsion, Pumps, Electrical, Lubrication, Firefighting systems, Communication.

XIII. Training

Bidder shall provide hands on training on the water at time of delivery in Jacksonville for a minimum of 3 days. Bidder covering costs of training.

PROCUREMENT DIVISION

A NEW DAY

NOTIFICATION OF RECOMMENDED BID REJECTION

Date: June 14, 2024

Via Email: benjamin.staubs@novielliboats.com

Bidder's Name: NOVIELLI BOAT BUILDERS, INC.

Address: 3665 NW 19TH ST., LAUDERDALE LAKES FL 33311

Contact Name: Benjamin Staubs

Bid No: XF-0373-24

Title: MARINE FIREFIGHTING AND RESCUE VESSEL

Date Opened: April 24, 2024

REASON FOR RECOMMENDED BID REJECTION: Using Agency recommends **rejecting all bids** as prices received exceed the Budget allotment. Jacksonville Fire and Rescue will be revising the specifications for a rebid in the future.

If you wish to protest the recommended rejection of this bid, please respond in accordance with the City of Jacksonville's bid protest procedures and email a copy to the City Purchasing Analyst associated with the protested bid.

NOTE: This intended action is only a recommendation to the appropriate Awarding Authority. The authority recommending award for this bid is the General Government Awards Committee scheduled for **Thursday, June 20, 2024 at 1:00 p.m.**

Purchasing Analyst's Signature: _____
Olive Wallace Cohen, Purchasing Analyst

Wallace Cohen, Olive - AFPS

From: Wallace Cohen, Olive - AFPS
Sent: Friday, June 14, 2024 1:32 PM
To: Benjamin Staubs Novielli Boats
Subject: XF-0373-24 - MARINE FIREFIGHTING AND RESCUE VESSEL
Attachments: XF-0373-24 Bid Rejection - NOVIELLI BOAT BUILDERS, INC.pdf

Good Day:

Please see attached Bid Notification for your information and files.

Best Regards,

Olive Wallace-Cohen
Procurement Division
Purchasing Analyst
214 N. Hogan Street (8th Floor)
Jacksonville, FL 32202
Phone: 904-255-8816
E-mail: OWCohen@coj.net

A New Day.
Jacksonville.gov

"Please note that under Florida's very broad public records law, email communications to and from City officials are subject to public disclosure."

Please click on the links below for any of the following for Bids and Awards:

For Bidding Opportunities: COJ.net - Bidding Opportunities (Including Capital Improvement and Design/Build)
For COJ weekly award intentions: COJ.net - Agendas and Minutes
For bid award information: Procurement Division (coj.net)
For Public Records: COJ Public Records (govqa.us)

PROCUREMENT DIVISION

A NEW DAY

NOTIFICATION OF RECOMMENDED BID REJECTION

Date: June 14, 2024

Via Email: djones@metalsharkboats.com

Bidder's Name: GRAVIOS ALLUMINUM BOATS, LLC dba METAL SHARK BOATS

Address: 6814 E. admiral Doyle Drive, Jeanerette, LA 70544

Contact Name: Dean Jones

Bid No: XF-0373-24

Title: MARINE FIREFIGHTING AND RESCUE VESSEL

Date Opened: April 24, 2024

REASON FOR RECOMMENDED BID REJECTION: Using Agency recommends **rejecting all bids** as prices received exceed the Budget allotment. Jacksonville Fire and Rescue will be revising the specifications for a rebid in the future.

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Purchasing Analyst's Signature: _____

Olive Wallace Cohen, Purchasing Analyst

Wallace Cohen, Olive - AFPS

From: Wallace Cohen, Olive - AFPS
Sent: Friday, June 14, 2024 1:30 PM
To: djones@metalsharkboats.com
Subject: XF-0373-24 - MARINE FIREFIGHTING AND RESCUE VESSEL
Attachments: XF-0373-24 Bid Rejection - GRAVIOS ALLUMINUM BOATS, LLC dba METAL SHARK BOATS.pdf

Good Day:

Please see attached Bid Notification for your information and files.

Best Regards,

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