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PROPOSAL FOR HARBOR MASTER PATROL AND RESPONSE BOAT

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ORIGINAL

November 8, 2024

Board of Harbor Commissioners
2 Portland Fish Pier, Suite 105
Portland, ME 04101

RE: Proposal For HARBOR MASTER PATROL AND RESPONSE BOAT

On behalf of RIBCRAFT USA, LLC, I am pleased to provide you with the following proposal for a RIBCRAFT Rigid Inflatable Boat with all specified options and equipment in response to Request for Proposals – Harbor Master Patrol and Response Boat, dated October 15, 2024.

We are proposing two options for the Board of Harbor Commissioners to choose from; the RIBCRAFT 6.8 and RIBCRAFT 7.8. Both are built to the highest commercial grade specifications and standards resulting in remarkably solid, well performing, and safe rigid inflatable boat (RIB). As the manufacturer of the above stated models, these boats meet the requirements put forth by the Board of Harbor Commissioners for Portland Harbor.

With safety and reliability at the core of all RIBCRAFT designs, the RIBCRAFT 6.8 and 7.8 feature deep V hulls, full-length spray rails, high bow sheer, and heavy-duty multi chambered Hypalon tubes. To insure the utmost in durability and strength all hulls are solid fiberglass with an internal composite stringer system.

For over twenty-two years, safety and rescue professionals have come to expect the most in quality, dependability and service from RIBCRAFT and our line of professional grade rigid inflatable boats (RIBs). Constructed by skilled craftsmen in the United States (Massachusetts), every boat is built with the understanding that it will receive hard, offshore 24/7 commercial use.

Many thanks in advance for your time and consideration.

Kelly Marie

RIBCRAFT USA, LLC

RIBCRAFT

BIDDER RESPONSE SUPPLEMENT

Proposal for Harbor Master Patrol and Response Boat

CERTIFICATIONS / MANUFACTURERS EXPERIENCE

RIBCRAFT hereby certifies that the proposed 2025 22'7" RIBCRAFT 6.8 and 2025 25'7" RIBCRAFT 7.8 rigid inflatable boats and additional items related hereto are fully compliant with the technical specifications contained in the Solicitation dated October 15, 2024 for "Harbor Master Patrol and Response Boat." Such compliancy includes, but is not limited to, design, construction, performance, durability, and warranty except where indicated.

The proposed RIBCRAFT 6.8 and 7.8 rigid inflatable boats are designed, built and tested in accordance with the American Boat & Yacht Council's quality technical practices and engineering standards for the design, construction and safety of small craft. The boat will be equipped and configured as specified in the bid package and shall meet all necessary requirements.

EXPERIENCE / CREDENTIALS

Headquartered in Marblehead, Massachusetts, RIBCRAFT designs and builds safe, durable, performance oriented rigid inflatable boats (RIBs) that fulfill the most demanding professional applications. For over 22 years, RIBCRAFT has built professional grade RIBs and inflatables in the United States for military applications, law enforcement agencies, safety professionals, and private industry. The RIBCRAFT model line ranges in size from 14 to 42 feet.

Since inception in 2001, RIBCRAFT USA, LLC has developed one of the strongest and most recognized brands in the rigid inflatable boat market. RIBCRAFT focuses on government and commercial users who comprise 90% of the company's revenues.

Every RIBCRAFT is built to customer-defined specifications following a detailed design process, including not only powering options and color schemes but also general arrangement, electrical packages, and myriad customer-specific equipment configurations. The RIBCRAFT team is comprised of marine professionals experienced in and passionate about designing and building RIBs that meet and exceed customer expectations and mission requirements.

Incorporating a conventional solid fiberglass hull with an inflatable tube for increased buoyancy, stability, and overall performance RIBCRAFT builds professional grade rigid inflatable boats ranging in from 14' to 42' that fulfill a variety of missions from patrol and rescue to interdiction and military operations. Every boat is built to industry recognized standards featuring commercial grade fiberglass hulls and heavy duty multi-chambered air tubes. Designed for professional applications, a RIBCRAFT RIB with a deep V hull and heavy duty tube provides unparalleled performance regardless of the sea conditions.

RIBCRAFT supplies the United States Navy with the standard 7 Meter and 11 Meter Shipboard RIB and the 11 Meter Expeditionary RIB. Additionally, RIBCRAFT supplies commercial grade

boats to the US Air Force, US Fish & Wildlife, state and local law enforcement agencies, fire departments, and industry (profit & non-profit).

REFERENCES

As requested, RIBCRAFT has provided the following local departments that purchased boats in recent years:

Maine Marine Patrol
21 State House Station
Augusta, ME 04333
Steve Ingram
Steve.ingram@maine.gov
207-624-~~7338~~ 6560

Portsmouth Fire Department
170 Court Street
Portsmouth, NH 03801
jwgoodwin@cityofportsmouth.com
603-944-7920

Kennebunk Harbormaster
1 Summer Street
Kennebunk, ME 04043
Jamie Houtz
harbormaster@kennebunkmaine.us
~~207-985-7976~~

Edgartown Harbormaster
70 Main Street
Edgartown, MA 02539
Charlie Blair
edgharbor@gmail.com
508-627-4746

Additional references available upon request.

BOAT SPECIFICATIONS: <u>OPTION A</u>

The RIBCRAFT 7.8 Rigid Inflatable Boat specifications are as indicated below and as illustrated in the attached RIBCRAFT 7.8 Specification Marketing Sheet.

LOA:	25'7"
Beam:	8'9"
Internal Length on Deck:	20'
Internal Beam on Deck:	5'10"

The proposed 2025 RIBCRAFT 7.8 features a commercial grade fiberglass deep V hull with a heavy duty 1670 dtx Hypalon tube with seven air chambers each with pressure relief valves. The boat is configured with a three-sided console enclosure, operator's bolster/leaning post, bow storage compartment, aft tow post, engine crash rail, twin 150HP Yamaha four stroke engines with mechanical controls, complete electrical system with electronics, trailer and all other features and options as specified in the Technical Specifications and as outlined in the attached quote detail. Please see the enclosed general arrangement showing the proposed layout.

As the manufacturer of the RIBCRAFT 7.8, this proposal meets the requirements and specifications as outlined in the Technical Specifications dated October 15, 2024. Any deviations are noted below and in the technical presentation matrix.

BOAT SPECIFICATIONS: OPTION B

The RIBCRAFT 6.8 Rigid Inflatable Boat specifications are as indicated below and as illustrated in the attached RIBCRAFT 6.8 Specification Marketing Sheet.

LOA:	22'7"
Beam:	8'9"
Internal Length on Deck:	16'10"
Internal Beam on Deck:	5'10"

The proposed 2025 RIBCRAFT 6.8 features a commercial grade fiberglass deep V hull with a heavy duty 1670 dtx Hypalon tube with five air chambers each with pressure relief valves. The boat is configured with a three-sided console enclosure, operator's bolster/leaning post, bow storage compartment, aft tow post, engine crash rail, twin 90HP Yamaha four stroke engines with mechanical controls, complete electrical system with electronics, trailer and all other features and options as specified in the Technical Specifications and as outlined in the attached quote detail. Please see the enclosed general arrangement showing the proposed layout.

As the manufacturer of the RIBCRAFT 6.8, this proposal meets the requirements and specifications as outlined in the Technical Specifications dated October 15, 2024. Any deviations are noted below and in the technical presentation matrix.

DEVIATIONS

The minor deviations from the required specifications are overcome by the capabilities and benefits of a rigid inflatable boat (RIB).

Porta-Potti: Given the size of the boat and make up of a RIB, the models do not accommodate a porta-potti.

Trim Tabs: RIBCRAFT has never installed trim tabs on these models as they are not required. The tubes provide the stability and lift produced by trim tabs, as such they are not required on our models.

WARRANTIES

All warranty items are as specified in RIBCRAFT's standard commercial warranty (see attached). Components and accessories not manufactured by RIBCRAFT receive the warranty provided by the original equipment manufacturer. The manufacturer of the Yamaha engine offers a three-year government warranty for governmental agencies.

SERVICE & SUPPORT

RIBCRAFT guarantees the continuing availability of Logistical Support (i.e. spares and other technical services) for a minimum of 10 years from time of delivery. As required, RIBCRAFT is happy to provide needed service support either directly through a RIBCRAFT factory service technician or a factory approved service center within the vessels' operation area. Given the proximity to Portland, ME, RIBCRAFT's capability to provide service and support is paramount and allows you to work directly with the manufacturer, much like Maine Marine Patrol and Portsmouth Fire has experienced.

RIBCRAFT will provide complete COTs Operation and Maintenance Manuals with complete third party manuals for all electronics and significant mechanical items (engine). As requested, RIBCRAFT will provide instruction and technical manuals.

DELIVERY

Currently, delivery for one new RIBCRAFT 7.8 or RIBCRAFT 6.8 as specified is estimated at approximately two hundred forty (240) days from date of award of contract.

150 Days ARO – Begin Construction
225 Days ARO – Builders Trails
240 DAYS ARO – Deliver Completed Boat

Technical Presentation Matrix

You can fill out this form with **brief** descriptions and comments in Word. Fields will expand as you type. Save it as a PDF file named **2024-name of firm-TPM**, print it for your proposal package, and include it in your electronic proposal package.

ITEM	PROPOSED SPECS	COMMENTS	Leave Blank
LOA	22'5"		
Beam	8'8"		
Draft	18"	without engine	
Hull (type, materials, material specs)	Deep V fiberglass hull with internal composite stringer system, full length lifting strakes, a deep forefoot, underdeck wire conduits, and a molded non-skid deck with removable deck panels for below deck access, composite materials - no wood.	Type text here	
Bulkheads (number, location, material, etc.)	N/A		
Trim tabs (type, specifics)	N/A	not necessary with a RIB; tube acts as tabs when needed	
Wheelhouse (type, materials, material specs, windows, access, head, etc.)	Three sided aluminum console enclosure with hard top, safety glass windshield, wiper, grab rails and three sided drop down cnavas sides. See attached general arrangment.		
Rear deck	In addition to an open aft deck, an engine crash rail, non-skid deck, and aft tow post		
Bow			
Deck cargo load	Meets requirements, published maximum capacity is 12 persons		
Propulsion	Twin Yamaha 115HP outboards	mechanical controls	
Electrical systems	2 start batteries and 2 house batteries to accomodate all eletrical system requirements - see detailed quote		
Electronics	All specified eletronics available - see detailed quote		
Bilge pumps	(2) electrical bilge pumps	Monitored through Siren Marine remote monitoring system	
Bottom paint	Anitfouling Bottom Paint	Available in various colors	
Towing	Aft Tow Post with tie off		
Trailer	Aluminum Dual Axel Trailer with brakes and jack		
Terms of warranty	RIBCRAFT warrants the boat (hull and tube) for one year from date of purchase. Components/accessories warranty provided by original equipment manufacturer. Yamaha offers a three year government warranty for governmental agencies		
Technical support and training	Initial crew training included; RIBCRAFT will provide complete COTs Operation and Maintenance Manuals, with complete third party manuals for all electronics and engine.	Logistical Support available for a minium of 10 years from time of delivery	
Optional items (please list)	Hull and tube colors, tube mounted swim ladder, custom name lettering, anchor/lines and safety equipment are all available options		

Kelly Maine

RIBCRAFT 6.8 Rigid Inflatable Boat

Length/Measurements

- LOA: 22'7"
- Beam: 8'9"
- Internal Length On Deck: 16'10"
- Internal Beam On Deck: 5'10"
- Weight: 2,200 lbs – 2,800 lbs (without engine)
- Rated for a maximum of 12 people

Hull Construction

- FRP (fiberglass) hull with internal liner.
- Longitudinal & transverse composite stringer system
- Inorganic materials to be used in construction only, no wood.
- Deep V hull design with forefoot
- Dead rise 24° aft to 45° forward at cutwater
- Multiple full-length solid fiberglass lifting strakes
- Heavy duty industrial molded non-skid deck with removable deck panel for complete fuel tank access
- Gelcoat color: Light Grey
- All wires run underdeck via underdeck wire conduit

Tube Construction

- Tube is constructed of 1670 dtx Hypalon and air filled.
- 5 independent air chambers and 5 pressure relief valves (one for each chamber)
- All seams are triple bonded, overlapped and reinforced with internal and external seam tapes.
- 20" diameter tubes
- Heavy-duty external lifelines mounted on outside of tube. Top of tube is free of lifelines. (no lacing cuffs)
- Heavy duty, non-marking high profile high density rubstrake, black. Rubstrake has a minimum profile of 1.25" off the tube and a minimum overall height of 5".
- Tube is semi-active and permanently glued/attached to hull. When at rest, aft portion of tube is in water for improved stability.
- Tube Color: standard is Dark Grey; optional tube colors available for an additional fee
- Optional: Tube mounted stainless steel telescoping ladder, capable of being stowed on the tube or in onboard storage compartment.
- Optional: Custom Hypalon Lettering: Portland Harbormaster

Lay-out

- Three-Sided Console Enclosure with Hard Top. Enclosure includes safety glass windshield and side windows, windshield wiper, electronics box, red/white courtesy lights, internal and external grab rails, integrated operator bolster, and a three-side drop down canvas enclosure. Console enclosure is in the forward position.
- Bow Storage Locker

- Aft Tow Post: Reinforced aluminum aft tow post, installed aft just forward of bulkhead, bright anodized. It is constructed of 6061 aluminum as minimum with a minimum diameter of 2.5"
- Engine Splash Well
- Engine Crash Rail
- Anti Fouling Bottom Paint

Engine

- Twin Yamaha 115HP four stroke outboard engine: includes complete rigging of mechanical controls, gauges, stainless steel propeller, and complete installation.
- Engines are directly mounted to transom. No transom extension/engine bracket.

Electrical/Electronics

- All wiring meets or exceed ABYC standards for electrical practices. Wiring is marine grade with soldered terminals and heat shrink termination covers suitable for operation in a saltwater environment.
- Marine grade circuit breakers are provided for all circuits.
- All electronics are flush mounted in the dash of the console.
- 12V Outlet
- USB Outlets
- Navigation lights
- Blue Strobe light
- Whelen Hailer/Siren
- (2) VHF radios w/ antenna on ratchet
- GPS/Radar: Garmin 1042XSV Color GPSMAP Sounder, High Definition Radar. Installation includes transducer.
- FLIR Thermal Night Vision Camera
- Sine waver inverter/charger
- Siren Marine Remote Monitoring System

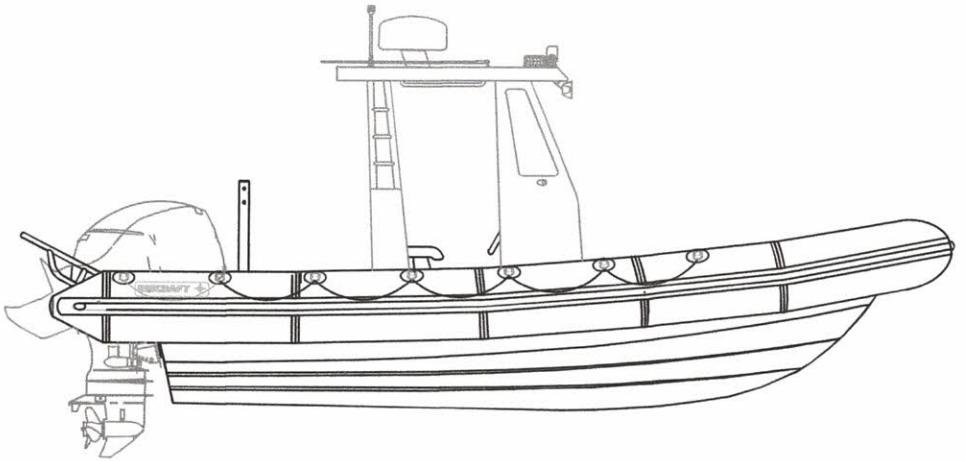
Trailer

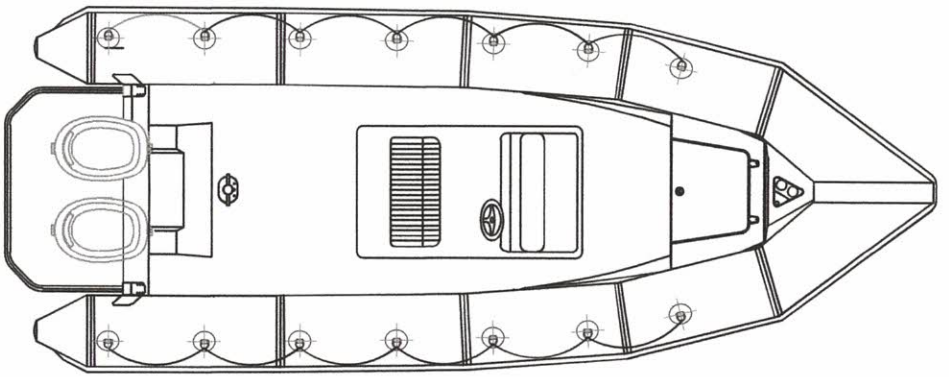
- LoadRite heavy duty galvanized railer with dual axle, brake, torsion axles, bearing buddies, tongue jack and a minimum capacity of 7,000 lbs.

Additional Specifications

22'5" RIBCRAFT 6.8 – Rigid Inflatable Boat – Base Boat includes: Center console with console enclosure, access hatches, integrated bolster, mechanical steering, bow storage locker, bow eye, bow cleat, two (2) stern tie down eyes, eight (8) switch electrical panel, two (2) batteries, battery switch, navigation lights, compass, two (2) electric bilge pumps, 80 gallon internal fuel tank, 1670 dtx Hypalon tube with five (5) chambers and five (5) pressure relief valves, heavy duty rubstrake, lifelines, owner's manual, foot pump, and light grey gelcoat.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL ISSUE	11-07-24	ARL





Specifications:

Length Overall.....22'-7"
Internal Length.....16'-10"
Beam (Tube Max).....8'-9"
Internal Beam.....5'-10"
Tube Diameter.....20"

NOTES:
1. LAYOUT IS PRELIMINARY & SUBJECT TO CHANGE
2. DRAWING IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY
3. DIMENSIONS ARE SUBJECT TO CHANGE

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RIBCRAFT

RC68 - GENERAL ARRANGMENT
for Portland Harbormaster

DRAWN	SIZE	FSCM NO.	DWG NO.	REV
ARL	C			-
DATE: November 7th, 2024	SCALE NONE		SHEET 1 of 1	