



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA  
Department of General Services - Office of Procurement  
**PURCHASE ORDER**

Purchase Order No. **61942** Rev. **2/2008** Date

Supplier No.	Solicitation No.	Delivery Date	FOB Point	Invoice Terms
772570	56639	180 Days ARO	Destination	

NORTH RIVER BOATS, INC. PO BOX 340 1750 GREEN SIDING RD. ROSEBURG, OR 97470 Attn: JORDAN ALLEN, X127  Phone: 541-673-2438	<b>S</b> DEPT PARKS & RECREATION <b>h T</b> MOBILE EQUIPMENT WHSE <b>i o</b> 3930 SEAPORT BLVD <b>P</b> WEST SACRAMENTO, CA 95691 Attn: C. BELLTAWN (916)375-6828	<b>C</b> DEPT PARKS & RECREATION <b>h T</b> 1416-NINTH STREET <b>r o</b> SACRAMENTO, CA 94296 <b>g e</b>	
	<b>Agency Billing</b> 53802	<b>Agency Purchase Estimate</b> E07K0002	<b>Purchase Estimate</b> 66899 <b>Revision</b> 0
	<b>Agency Contact</b> CASE BELLTAWN	<b>Phone</b> 916-870-9121	<b>Date Received</b>

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT: <a href="http://www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf">www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</a>						
THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:  PRIME CONTRACTOR: NS DVBE SUBCONTRACTOR TOTAL: \$2,002.80 FISCAL YEAR: 2007/2008						
1	1	EA	1940-491-0101-7	BOAT ALUMINUM HULL "22 FT. ALUMINUM BOAT & TRAILER" AS DESCRIBED-MEETING THE REQUIREMENTS OF THE ATTACHED BID SPSCIFICATION # <u>1940-078S-006.DOC</u> OF EIGHT (8) PAGES.	66,760.2400	66,760.24
				Brand: <u>NORTH RIVER BOATS INC.</u>		
				Model: <u>COMMANDER INBOAR JET</u>		
				<u>PD Miscellaneous Charges and Discounts</u>	<u>Dollar Value</u>	
				BATCH ADJUSTMENT (CHARGE)	8.75	
					<b>Total Value:</b>	<b>66,768.99</b>
<b>FOB DESTINATION:</b> For the purpose of this order only F.O.B. will be accepted.						
<b>TERMS &amp; CONDITIONS:</b> THE FOLLOWING ATTACHED DOCUMENTS ARE PART OF THIS PURCHASE ORDER: SPECIFICATIONS # <u>1940-07BS-006.DOC</u> OF EIGHT (8) PAGES DATED NOVEMBER 16, 2007.						

Sales and/or use tax to be extra unless noted above

<b>Buyer</b>  LONNIE WILLIAMS	<b>Phone</b> 916-375-4586	<b>BOC Number</b>
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STATE OF CALIFORNIA

Department of General Services - Office of Procurement

**PURCHASE ORDER CONTINUATION**

Form GSOP 2-PIN (04/98)

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<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
61942		2/2/2008	772570	NORTH RIVER BOATS, INC.

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p>PROJECT MANAGEMENT:                      Upon award, vendor shall conduct a pre-production meeting including timeline and major milestones at various stages of construction with representative from receiving agency. This receiving agency' representative shall visit the place of vessel manufacture to inspect progress of vessel being manufactured as deem necessary.</p> <p>This Purchase order has been registered into the state contact and procurement registration system (<a href="https://www.scprs.dgs.ca.gov/">https://www.scprs.dgs.ca.gov/</a>). The registration number is 37900208285106.</p> <p>CHANGE ORDERS:</p> <p>Any Purchase Order resulting from this bid may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						



1 SCOPE

This document establishes the requirements and specifications for a 22-Foot Aluminum River Patrol/Rescue Jet boat and Trailer for Department of Park and Recreation (DPR). The boat shall be capable of operating in shallow, rocky areas in reservoirs subject to fluctuating lake levels with swift water river areas that feed and drain the reservoir itself.

2 APPLICABLE SPECIFICATIONS / STANDARDS / CODES

- 2.1 Specifications and standards referenced in this document in effect on the opening of the invitation for bid, form a part of this specification.
- 2.2 Comply with United States Coast Guard (USCG) Boatbuilder's Handbook and/or American Boat and Yacht Council (ABYC) standards.

3 REQUIREMENTS

3.1 Dimensions and Capacity

Centerline Length:	22' to 22' 6"
Beam:	96" to 102"
Draft:	16" to 20"
Fuel Capacity:	Minimum 70 gallons
Bridge Clearance:	100" to 106"
Storage Capacity:	23 gallons to 25.6 gallons
Person Capacity:	minimum of 12 persons

3.2 Boat

3.2.1 Hull

- Shall be current production commercial hull design, all welded aluminum construction, with "12°-14°" tapered radius or V-bottom.
- Shall be minimum 14° radius deadrise at the stern and minimum 26° forward at the point of entry or Semi-V momohedron hull and all stainless steel hardware except in engine stand where extra strength is needed. Stainless steel fasteners shall be insulated from aluminum.
- Shall have a radius intake spoon construction or a flat "Jet Shoe" or comparable design to maximize the jet water intake performance.
- Bottom shall be one piece with no splicing.
- Shall be minimum .25" thick 5086 marine grade aluminum alloy for bottom and transom.
- Shall be assembled where the bottom and side are joined at the chine, a slotted extrusion is acceptable in this area if continually welded.

- Bottom shall have a 30" wide x 6' long x .25" thick overlay between box girders and transom forward.
- The front hull shall also be equipped with a minimum .25" thick beach plate.
- Shall be minimum .125" thick 5052 marine grade aluminum alloy for the sides.
- Sides shall be one piece with no seams.
- Shall have a "10" feet long welded side stiffener from transom forward half way between side tray and bottom chine.
- Shall have minimum of .16" thick x 10" wide aluminum longitudinal box girders.
- Shall have a minimum of 12.5' long x .25" angle aluminum keel cap.
- Hull sides shall be painted white between the lower bumper rail and the top of the gunwale. The paint shall be compatible for aluminum.
- The bottom shall be hard chined, 72" to 84" between the chines.
- Gunwale edge can be a slotted extrusion where side and gunwale cap comes together. This corner must be continually welded.
- The sides shall be 30" to 35" high with a rubrail between gunwale and chine. The rubrail shall be made of a minimum of 3" heavy-duty flexible rubber.
- Shall be equipped with a welded bow eye and two stern eyes.
- Shall be reinforced and welded with a minimum ½" x 2" aluminum flat bar around the jet intake and in a "V" shape in front of the jet intake base.
- Shall be equipped with 4 - 6 lifting/turning strakes welded to bottom of boat.
- Shall be equipped with a 4" tall stainless steel, heavy-duty safety rail from the transom area to the rear of the windshield, then to continue from the front of the windshield to near the bow.
- Shall be equipped with an access door at the extreme bow for access.
- Shall be equipped with three (3) 8" heavy-duty cleats welded or bolt mounted on the gunwale on each side.
- Shall be equipped with a welded tow post on transom centerline.
- Shall be equipped with a minimum .125" thick aluminum diamond plate swim platform/pump protector that is full width of the transom.
- Shall be equipped with a set of stainless steel steps attached to the platform. The platform shall be used to accommodate divers.
- Shall be equipped with a stainless steel handle, minimum 12 inches by 1 inch on each side of the transom to accommodate divers.
- Shall be equipped with a 1-1/2" schedule 40 pipe aluminum pipe or comparable stanchion for emergency lights, siren/speaker system. The stanchion shall be located from the gunwale projecting aft with a head clearance of at least 6 feet 5 inches high.

- Shall be equipped with a minimum 1/2" diameter conduit built into the interior of the stanchion, for the wiring, and coax cable.
- Shall be equipped with a welded construction, one-piece windshield. The windshield shall be equipped with a walk-through opening to the bow. The glass panes are to be rubber mounted tinted safety glass only.

### 3.2.2 Engines and water jet propulsion

Type:	8.1L MPFI engine (Ref: Marine Power or comparable)
Horsepower:	Rated at 385 hp minimum
Fuel system:	Fuel injection
Emission:	Ultra-Low Emissions rating, meet the Environmental Protection Agency's standards, as well as the California Air Resources Board standards
Propulsion and Control:	Jet pump (ref: Hamilton 212 pump with stainless turbo impeller or comparable) 2-lever control (ref: Morse MJB or comparable)

- Shall be equipped with a closed heat exchange system with 50% anti-freeze cooling system.
- Water intake system shall be equipped with a sand trap and an anode.
- The fresh water cooling system shall be equipped with a provision for flushing.
- Shall be equipped with a "stomp grate/EZ clean" on the jet drive for removability of debris.

### 3.2.3 Steering

- Shall be equipped with a stainless steel or comparable steering wheel and controls at the starboard console.

### 3.2.4 Seating

- Shall be equipped with Ultra Violet/mildew resistant, adjustable (height, forward, aft), swivel, and folding armrests driver/passenger suspension/air seats (ref: Mariner brand or comparable). Seats shall be able to accommodate a Peace Officer with gun belt and equipment.

### 3.2.5 Electrical System

- Shall be 12 volts and equipped with two heavy-duty "RV" marine batteries with a minimum of 650 amperes cold cranking power.
- Shall be equipped with a minimum 100 Amp Alternator.
- Shall be equipped with a heavy-duty battery selector switch mounted at the control with four positions selection: 1, 2, all and off.

- Shall be equipped with a "4" duct heater/defrost unit to both large windows, driver and passenger.
- Shall be equipped with a set of panoramic windshield wipers.
- Shall be equipped with a three-way, waterproof ignition switch, key operated in the dash of the operator's console.
- Shall be equipped with a circuit breaker installed next to each toggle switch on the control console.
- Shall be equipped with a heavy-duty bilge blower, which is to be used in conjunction with the natural flow engine ventilating system.
  - The bilge blower switch shall be mounted on the operator's console.
- Shall be equipped with a minimum 3" diameter conduit from the engine compartment to the control area. All control cables shall run in this conduit.
- All electrical wire harnesses must be encased in a small appropriate size conduit before inserting into large conduit. All harnesses in the engine compartment will be tied up above water line and heat-shielded as required.
- Shall be equipped with removable instrument panel without detaching each wire from each instrument.
- Shall be equipped with a conduit breaker within "18" inches of each end of every power source.
- All wiring harnesses shall meet ABYC and NMMA color code for NMMA certification.

### 3.2.6 Fuel System

- Shall be equipped with a CG approved fuel tank, marine aluminum, baffled, primed with zinc chromate.
- The tank shall be mounted forward of the engine with a ventilated gas fill inlet in the gunwale.
- A heavy-duty marine water/fuel separator will be installed.
- Shall be equipped with USCG Type A1 fuel line.

### 3.2.7 Interior

- Shall be equipped with a lower foredeck area in the front bow area; the lower foredeck area shall be flat with drains port and starboard, and be located forward of the walk-through windshield.
- Shall be equipped with an upper deck with storage underneath.
- Shall be equipped with marine grade 5/8 inch ply-board decking, sealed on both sides with resin, and covered on top with a gray vinyl, slip resistant decking material.
- Engine cover shall be insulated and hinged for total access. All sound deadening material shall be fire retardant.

- The vessel shall meet State engine exhaust noise limitations at 50' and shall be equipped with marine mufflers.
- Shall be with a "1" diameter" exterior bilge drain.
- Shall be equipped with one driver's console on starboard side and a dashboard behind the windshield.
- Shall be equipped with lockable Port glove box.
- All compartments shall be keyed alike with sealed watertight doors.
- Shall be equipped with two (2) lockable seat/storage boxes, minimum of 48" long and 18" wide with vinyl cushions and folding backs installed on each seat lid. The boxes shall be mounted longitudinally on both sides of the vessel.
- Shall be equipped with gunwale storage on both sides, at least one side lockable with watertight door. This gunwale storage will be 7' to 10' long.
- Shall be equipped with a battery storage area in the transom. The area shall be able to access through port and starboard vertical doors.

#### 3.2.8 Weather Protection

- Shall be equipped with canvas covered rigid aluminum top frame.
- The top frame shall be equipped with dome light, stainless steel roof railing and grab handles.
- The canvas shall cover the driver and passenger seats in addition to the rear 48" bench seats. Canvas shall include the side curtains and back drop.
- Shall be equipped with a snap-on towing/storage cover.
- This cover shall cover the entire interior of the boat, snap along the inside edge of the windshield, along the edge of the gunwales and across the transom.

#### 3.2.9 Gauges

- Instrument panel shall be silk-screened aluminum.
- Shall be equipped with but not be limited to the following gauges:
  - Hour meter.
  - Oil pressure gauge with an audible alarm system.
  - Tachometer.
  - Voltmeter.
  - Fuel gauge.
  - Water temperature gauge with an audible alarm system.

#### 3.2.10 Navigation, Radio and Safety Equipment

- Shall be equipped with a fire extinguisher.
- Shall be fitted with proper navigational lights for a power, driven vessel of its size operating on sounds and lakes.

- Shall be equipped with Inland rules (plaque/sticker), USCG approved marine grade navigational lighting.
- Shall be equipped with port and starboard bow lights, and the lights shall be mounted on the lower side of the windshield.
- Shall be equipped with a white all around light mounted on the light bar platform.
- Shall be equipped with 12-volt lighting, red lights, non-glare and a dimmer switch for illuminating all gauges. The dimmer switch shall be installed in the operator's console.
- Shall be equipped with a pair of "30,000cp" flush mounted docking lights at the bow of the boat.
- Shall be equipped with a halogen deck light to the center of the radar arch facing the transom.
- Shall be equipped with 12-volt, red, non-glare lights.
- Shall be equipped with a 12-volt power outlet mounted on the center console.
- Shall be equipped with two (2) aft 1100 gph minimum bilge pumps – one automatic and the other one shall be able to be activated via switch at console panel.
- Shall be equipped with a VHF marine two-way radio, (ref: Raytheon Ray 54 w/DSC or comparable).
  - Shall be equipped with an external marine grade speaker for the item above.
  - Shall be equipped with a high/low volume boost switch for the speaker, which is wired and mounted on the console.
- Shall be equipped with a 20-amp ground power supply mounted to the operator console for the DPR supplied enforcement radio and antennae. The radio and antennae shall be installed by the bidder/supplier.
  - Shall be equipped with an external marine grade speaker for the item above.
  - Shall be equipped with a high/low volume boost switch for the speaker (separate from the VHF radio speaker), which is wired and mounted on the console.
- Shall be equipped with but not be limited to the following navigation equipment:
  - Display (ref: Raymarine Interactive C-Series C80 or comparable).
  - Antenna (ref: Raymarine Radar 18" 2kw 24nm Dome or comparable).
  - Sounder (ref: Raymarine Dsm300 W/Transom Transducer or comparable).
  - Global Positioning System (GPS) (ref: Raystar 125 GPS/WAAS Receiver Antenna or comparable).
  - Chart Chip Wide Area - United States Regions Only (Ea).
  - Radar Stump.
- Shall be equipped with a light bar (blue light) with siren, public address, amplifier and blackout (ref: Whelen 28" Mini-Edge Ultra Freedom or comparable).

- Shall be equipped with a halogen floodlight mounted on the T-Top controlled by a marine grade remote this is mounted on console.

#### 3.2.11 Corrosion Protection

- The boat shall be equipped with sacrificial anodes for corrosion protection mounted in at least (but not be limited to) the following areas:
  - Engine.
  - Jet pump.
  - Transom.

#### 3.2.12 Performance

- The boat shall be capable of planing at a minimum speed of 25 mph and capable of speeds in excess of 45 mph in a minimum 2-foot water swells.
- The boat shall be capable of allowing three Officers of 180 lb. each to work on the same side of the boat simultaneously without swamping the boat when the rescue door is opened.
- The boat shall be stable, no chine walk and wobble no more than  $\pm 5^\circ$  with no steering control in a minimum 2-foot water swells.
- Sound level shall be less than or equal to 90 dBa within 3 ft of operator's console.

### 3.3 Trailer

#### 3.3.1 Shall be bunk style, fully welded galvanized steel and/or aluminum capable of carrying a "22FT boat" per section 3.1 and 3.2 above and including but not be limited to the following:

- Shall be equipped with bunks covered with Ultra High Molecular Weight (UHMW) plastic composite material.
- Shall be equipped with torsion arm type suspension axles (ref: Torflex axles type or comparable) with four wheels hydraulic disc brakes.
- Shall be equipped with surge action type or comparable brake actuation.
- Shall be equipped with UHMW side guides over each wheel fenders.
- Shall be equipped with 15" tires and wheels.
- Shall be equipped with oil bath bearing sealed system, or a greasable bearing for the wheels.
- Shall be equipped with a matching spare tire and wheel mounted on the trailer with a lockable mount.
- Shall be equipped with a ball hitch.
- Fenders shall be used as steps and be able to support a minimum of 180 lb.
- Shall be equipped with a dual wheel tongue jack.
- Shall be equipped with a bow stop and a winch with nylon strap.
- Shall be equipped with wiring this is sealed using adhesive lined shrink tubing or a wire harness system (ref. Truck-lite or comparable).

- Light shall be light-emitting diode (LED) type.
- The trailer shall be wired for free-backing brake system linked to the backup light of the tow vehicle.
- Shall meet all California Code of Regulation Title 13 and include an identification tag securely attached to the trailer, but not be limited to the following information:
  - Identification number.
  - Actual trailer carrying capacity in U.S. pounds.
  - Gross Vehicle Weight Rating (GVWR) in U.S. pounds.
  - Name of Manufacturer.