

DEPARTMENTAL INPUT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. 1507-PR

Contract
 Re-Bid
 Other
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: FB-00681
 TERM OF CONTRACT: YEAR(S) WITH YEAR(S) OTR

Requisition /Project Title: Catamaran, Passenger Boat

Description: The purpose of this solicitation is to purchase a Catamaran Passenger Vessel for Miami Dade County Parks Recreation Department to be used for multiple purposes, such as sightseeing excursions. This is a one time purchase.

Issuing Department: ISD
 Contact Person: N. VASILYEVA
 Phone: 305-375-4725

Estimate Cost:
 Funding Source:
 GENERAL
 FEDERAL
 OTHER

ANALYSIS

Commodity Codes:	12023	 	 	
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.				
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>	
Contractor:	 	 	 	
Small Business Enterprise:	 	 	 	
Contract Value:	\$ 	\$ 	\$ 	
Comments:	Revenue Generating contract			

Continued on another page (s): YES NO

RECOMMENDATIONS

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
SBE	 	 	 	

Basis of recommendation:

Signed: Elizabeth Gort	Date sent to SBD: 09.28.2017
	Date returned to DPM:

SECTION 3 – TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK

The following specifications are for a catamaran passenger vessel to be built for Pelican Harbor Marina, facility of Miami-Dade Park and Recreation Department. This vessel will be used primarily for sightseeing excursions with stops at National Park, tour of the bay, Blackpoint and Boca Chita. It is the responsibility of the successful bidder to build and schedule delivery of the vessel.

3.2 VESSEL CONSTRUCTION

The vessel shall be a fiberglass-constructed catamaran. The fiberglass on the hull shall be approximately 1 3/4" in depth. The hull shall have a one-piece molded hull, which is hand laid stitch mat, with a balsa core, providing maximum strength and minimum weight. The vessel constructed shall meet all specifications to be certified by the United States Coast Guard, built to exceed the American Bureau of Shipping specifications and meet all American with Disabilities Act requirements.

3.3 MATERIALS AND EQUIPMENT

The vessel must meet all requirements for a United States Coast Guard inspected small passenger vessel (Subchapter T) serving passengers for hire. Vessel must be able to be USCG certified for operation carrying 49 passengers and 5 crew in Exposed service. USCG inspection and deadweight survey to be completed prior to delivery. All components to be new and, where available, carry original manufacturer's warranties.

Vessel to be a catamaran hull powered by twin outboard engines. Engines to be separated adequately to allow use of standard (right hand) engines. Length to be 45' exclusive of engines and brackets. Beam to be no greater than 14'. Draft not to exceed 36" with full passenger complement with engines in full down position. One third of deck to be uncovered to provide open area at bow.

3.3a VESSEL DIMENSIONS

The vessel shall be approximately 45' in length, no more than 14" beam and a maximum draft of 3'. The vessel shall be ADA compliant. It shall hold approximately 45-49 passengers. The vessel shall have a displacement of 10-15 tons.

3.3b STEERING CONSOLE

The vessel’s steering station shall be equipped with a custom console/steering wheel and controls, compass, bell and a captain’s chair. The steering shall be a Hynotic Hydraulic Steering System.

Steering Station

Cored Fiberglass Helm Console	Custom Helm Seat w/ Storage
Helm Raised 6” Above Deck	Helm Offset on Starboard Side
Storage Box at Side of Console	S.S. Steering Wheel
Windshield – 3/8” Acrylic	Magnetic Compass
Bell	

3.3c ELECTRICAL

The electrical system shall include United States Coast Guard approved courtesy lights, navigation lights, 2 antenna-mounting plates and 2-12 Volt batteries. It shall also include a Raytheon depth finder and a Raytheon VHF radio with a locked electronics box. Both the depth finder and VHF radio shall be of the highest quality and the latest model on the market at the time of purchase.

Electrical Systems / Electronics

Custom Panel with Fuse Protection	Three (3) Type 31 Batteries
Navigation Lights	In-Hull LED Lights
Four (4) 2000gph Bilge Pumps	High Water Alarm
LED Courtesy Lights Under Seats	Overhead Red/White LED Lighting
VHF Radio flush-mounted on console	Bail Mounted Garmin 741s Plotter/Sounder
In-Hull Transducer	Stereo/PA System (6-speakers)
Wireless PA Microphone	Inverter/Charger (1000W A/C)
Shakespeare 5225XT 8’ Fiberglass VHF Antenna	Ratcheting SS Antenna Mount
Flood Lights at Boarding Areas	Underwater Camera
LED Display	Inverter battery bank for display
30A Shore Power Inlet	ELCI Protection

3.3d HULL AND DECK

The hull and deck area shall include anodized aluminum rails, heavy duty rub rail, 2-10” stainless steel cleats, 4 heavy-duty stainless steel bollards, anti-skid on front deck and walkways. The deck shall be constructed of 3/4” marine plywood glazed over with fiberglass. There shall be bench seating for all passengers, which comprises the seat/storage boxes. The storage box seating have backs to them. The storage boxes shall hold life jackets. The successful bidder shall provide 40 adults and 30 children’s United States Coast Guard approved life jackets. The vessel shall be equipped with 4-40’ dock lines (5/8”) and 1-22# Danford Type Anchor with 150’ rope (3/4” and 10’ of 3/8 chain.

Hull & Deck

One-piece Balsa-cored Fiberglass Hull	Vinylester Anti-Blister Layer
Anti-skid on All Walking Areas	Anodized Brushed Aluminum Rails
Cored Fiberglass Hard Top	Roof Storage Rack w/ Ladders
Cored Fiberglass Bench-Style Seats	Aluminum Hull Access Ladders
2 – 6’ Cored Fiberglass Access Hatches	2 – 2’6’ Cored Fiberglass Access Hatches
4 – Heavy Duty S.S. Bollards	2 – 12” Stainless Steel Cleats
Heavy Duty Rub Rail	Boot Stripe in Buyer-selected color
Bottom Paint in Buyer-selected color	Push Bars at Bow
Customer Logo in Vinyl on Hull	

3.3e TOILET FACILITY

The vessel shall also be equipped with an ADA accessible head and a 60-gallon holding tank. The head shall be a Wilcox skipper model equipped with an industrial push/pull pump.

3.3f ENGINES

Minimum engines for this vessel shall be 2 each commercial grade, 4 stroke, 25” shaft length with 30” brackets and a minimum 140 horsepower per engine. There shall be 2 each 70 gallon fuel tanks. The fuel tanks shall be constructed of 50/52 marine grade aluminum with 1/4” plate.

3.3g VESSEL ROOF

The vessel’s roof shall be constructed of anodized aluminum rails with a hurculite canvas 20-24 mil gauge white top.

3.4 SPECIAL CONDITIONS

The preferred color of the vessel shall be white with royal blue. It shall also include bottom paint, a boot stripe, the attached logos painted on each side of the vessel along with the vessel’s name, and city and state shall be painted on the stern of the vessel.

3.5 ADDITIONAL FEATURES

Additional Features

Cored Fiberglass ADA-compliant Head	80-gallon Waste Tank
Pressure Fresh Water System w/ Sink	80-gallon Fresh Water Tank
Standard toilet with Raw Water Feed	Dive Ladder w/ Lifting Tackle
Drop-Down Vinyl Weather Curtains	Overhead Canvas Life Jacket Storage
Canvas on Side and Aft Rails	Bow Rail Face w/ Pipe @ <4” Openings

Miscellaneous Equipment

Fortress FX23 Anchor	Anchor Mount on forward rails
Anchor Rode – 150’ @ 5/8” Nylon	Anchor Chain – 10’ 3/8” Galvanized
Galvanized Steel Anchor Shackles	Four (4) 35’ Dock Lines – 5/8” Nylon

3.6 TRAINING

The successful bidder agrees to provide training on the operation and maintenance of the vessel for Parks staff after delivery of the Vessel. This shall be a mutually agreed upon date and time.

3.7 WARRANTY

The successful bidder shall provide a written warranty for all workmanship for a period of no less than 1 (one) year. All warranty work is to be performed in Miami-Dade County.