**DEPARTMENTAL INPUT**

**CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

- **New** [ ] **OTR** [ ] **Sole Source** [ ] **Bid Waiver** [ ] **Emergency** [ ] **Previous Contract/Project No.**
  
- **Contract** [ ] **Re-Bid** [ ] **Other** [ ]

- **LIVING WAGE APPLIES:** [ ] **YES** [ ] **NO**

- **Previous Contract/Project No.**
  
- **Contract No./Project No.:**

- **Requisition No./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

**Funding Source:**

- **GENERAL** [ ]
- **FEDERAL** [ ]
- **OTHER** [ ]

---

**ANALYSIS**

**Commodity Codes:** 12023

**Contract/Project History of previous purchases three (3) years**

- **Check here** [ ] if this is a new contract/purchase with no previous history.

<table>
<thead>
<tr>
<th>Contractor:</th>
<th>EXISTING</th>
<th>2ND YEAR</th>
<th>3RD YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Business Enterprise:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Contract Value:**

- $ [ ]
- $ [ ]
- $ [ ]

**Comments:** Revenue Generating contract

**Continued on another page (s):** [ ] **YES** [ ] **NO**

---

**RECOMMENDATIONS**

**SBE**

- **Set-aside** [ ]
- **Sub-contractor goal** [ ]
- **Bid preference** [ ]
- **Selection factor** [ ]

**Basis of recommendation:**

**Signed:** Elizabeth Gort

**Date sent to SBD:** 09.28.2017

**Date returned to DPM:**

Revised April 2005
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 ¾” 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 ¾" marine plywood glazed over with fiberglass. There shall be bench eating 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 ¼” 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.