

ISSUING DEPARTMENT INPUT DOCUMENT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

☒ New ☐ OTR ☐ Sole Source ☐ Bid Waiver ☐ Emergency Previous Contract/Project No. _____
Contract _____
☐ Re-Bid ☐ Other – Access of Other Entity Contract LIVING WAGE APPLIES: ☐ YES ☒ NO
Requisition No./Project No.: RQID1900022 TERM OF CONTRACT 5 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: MDPD AIRBOATS/TRAILER & MDFR INFLATABLE BOATS/ENGINE

Description: The purpose of this request is to purchase an airboat with trailer for MDPD and two (2) inflatable boats with 70HP engines for MDFR.

Issuing Department: MDPD-MDFR Contact Person: Chief Andy Alvarez Phone: 786-255-0150
Estimate Cost: \$133,000 Lt. GENERAL FEDERAL OTHER
Funding Source: _____ X _____ Law Enforcement

ANALYSIS

<u>Commodity Codes:</u>	<u>120-08</u>			
Contract/Project History of previous purchases three (3) years Check here <input checked="" 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:				

Continued on another page (s): ☐ YES ☒ NO

RECOMMENDATIONS

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
SBE				
Basis of Recommendation: _____				
Signed: <u>Lourdes Betancourt</u>		Date sent to SBD: <u>11/14/2018</u>		
		Date returned to SPD: _____		

SECTION 2

SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

The purpose of this solicitation is to establish a contract to purchase one (1) 20' x 8' airboat for the Miami-Dade Police Department (MDPD) and two (2) 17'.5" x 7'.2" inflatable boats with two (2) Yamaha Midrange 4 stroke EFI outboard motors for the Miami-Dade Fire Rescue Department (MDFR). The solicitation is organized into two (2) groups which are categorized as follows:

1. Group 1: Miami-Dade Police Department (MDPD)
 - One (1) 20' x 8' aluminum airboat 2018 Model Year or newer
2. Group 2: Miami-Dade Fire Rescue Department (MDFR)
 - Two (2) 17'.5" x 7'.2" inflatable boats 2018 Model Year or newer and Yamaha 70 HP Midrange 4 stroke EFI outboard motors

2.2 TERM OF CONTRACT

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Blanket Purchase Order issued by the Internal Services Department, Strategic Procurement Division. The contract shall expire on the last day of the sixtieth month.

2.3 METHOD OF AWARD

2.3.1 Group 1 - MDPD:

One (1) 20' x 8' Aluminum Airboat 2018 Model Year or newer, Diamondback Model – 208DAA-550, or approved equal

Award of each group will be made to the lowest priced responsive, responsible Bidder who submits an offer on all items listed in each group, whose offer represents the lowest price when all items are added in the aggregate for each group and who meets the requirements below:

A. References:

The Bidder shall be regularly engaged in the business of providing the airboat described in this solicitation. Therefore, Bidders shall provide three (3) business references with their bid submittal. The reference shall be from a customer that is purchasing, or has purchased, similar airboats from the Bidder within the past five (5) years.

The Bidder shall submit their references' contact information in Section 4 Bid Submittal Form, which shall include the company name, and the name, title, address and telephone number of the contact person, and e-mail address of the person who can verify to the County that the Bidder has successfully provided the airboats. The County may contact the Bidder's reference, or request additional information from the Bidder, to ascertain that the Bidder has sufficient experience and expertise in the industry to meet the scope of work and all requirements of this solicitation.

2.3.2 Group 2 - MDFR:

Two (2) 17'.5" x 7'.2" inflatable boats 2018 Model Year or newer and two (2) Yamaha 70 HP Midrange 4 stroke EFI outboard motors

Award of each group will be made to the lowest priced responsive, responsible Bidder who submits an offer on all items listed in each group, whose offer represents the lowest price when all items are added in the aggregate for each group and who meets the requirements below:

A. References:

The Bidder shall be regularly engaged in the business of providing the inflatable boats and Yamaha motor described in this solicitation. Therefore, Bidders shall provide three (3) business references with their bid submittal. The reference shall be from a customer that is purchasing, or has purchased, similar airboats from the Bidder within the past five (5) years.

The Bidder shall submit their references' contact information in Section 4 Bid Submittal Form, which shall include the company name, and the name, title, address and telephone number of the contact person, and e-mail address of the person who can verify to the County that the Bidder has successfully provided the airboats. The County may contact the Bidder's reference, or request additional information from the Bidder, to ascertain that the Bidder has sufficient experience and expertise in the industry to meet the scope of work and all requirements of this solicitation.

2.4 PRICES

Prices offered in both groups shall include freight, manuals, warranties, fees, and costs to deliver airboats. All prices are to be quoted F.O.B. Destination.

If a Bidder is awarded a contract under this solicitation, the price offered by the awarded Bidder, per group, shall be firm and fixed for the term of the Contract.

2.5 ESTIMATED QUANTITIES

Quantities listed in this solicitation may increase or decrease to meet the requirements of the County during the term of this contract.

2.6 SPECIAL CONDITIONS FOR BIDDING GROUPS 1 AND 2

2.6.1 Bidder should upload to BidSync the Manufacturer's standard information sheets, catalogues, brochures and all supporting documentation submitted must show the product meets the required specifications. Bids that are submitted with standard product literature which offer technical data or product descriptions indicating the item or product does not meet the required specifications must be accompanied by a letter on the Bidder's company letterhead identifying those differences and describing how compliance with the required specifications will be accomplished. Failure to comply with this requirement may result in the rejection of that offer for failure to meet the required specifications.

2.7 DELIVERY OF GROUPS 1 AND 2:

2.71 Group 1 - MDPD:

One (1) 20' x 8' Aluminum Airboat 2018 Model Year or newer, Diamondback Model – 208DAA-550, or approved equal

The airboat shall be delivered within one hundred twenty (120) calendar days from the date of the Purchase Order. All deliveries are to be made in accordance with the best commercial practices. All equipment delivered must be in full compliance with the specifications and requirements of this solicitation and resultant contract, and must be in new, ready to work condition. Upon verification of compliance with these requirements the County will accept the delivered equipment. See paragraph 2.8 for delivery defect correction requirements.

The airboat shall be delivered to: Internal Services Department
Fleet Management Division
Shop 2 Truck and Bus
6100 S.W. 87TH Avenue
Miami, FL 33173
Facility Supervisor
(305) 273-4125
Hours 7am to 2pm

Failure to deliver the equipment in accordance with best commercial practices, new, and in full compliance with the County's specifications and requirements, within the number of days stipulated above, shall subject the awarded Bidder to charges for liquidated damages in the amount of \$100.00 per boat for each and every business day that the equipment is not delivered in acceptable condition. This charge for liquidated damages is in addition to other remedies and timetable requirements listed herein as stated above.

2.7.2 Group 2 - MDFR:

Two (2) 17'.5" x 7'.2" inflatable boats 2018 Model Year or newer and two (2) Yamaha 70 HP Midrange 4 stroke EFI outboard motors

Delivery required 90 days after receipt of order and all inflatable boats and Yamaha motors, shall be delivered to:

Marine Services Bureau OIC
901 S. America Way
Port of Miami Terminal H
Miami, Florida 33132
Contact Person: Chief Andy Alvarez
Contact No.: (786) 336-6583
E-mail: aaa@miamidade.gov

All deliveries are to be made in accordance with the best commercial practices. All equipment delivered must be in full compliance with the specifications and requirements of this solicitation and resultant contract, and must be in new, ready to work condition. Upon verification of compliance with these requirements the County will accept the delivered equipment. See paragraph 2.8 for delivery defect correction requirements.

Failure to deliver the equipment in accordance with best commercial practices, new, and in full compliance with the County's specifications and requirements, within the number of days stipulated in paragraph 2.7.2, shall subject the awarded Bidder to charges for liquidated damages in the amount of \$100.00 per boat for each and every business day that the equipment is not delivered in acceptable condition. This charge for liquidated damages is in addition to other remedies and timetable requirements listed herein as stated above.

2.8 DELIVERY DEFECT CORRECTION REQUIREMENTS

The awarded Bidder shall be responsible for promptly correcting any deficiencies noted prior to acceptance by MDPD and MDFR at no cost to the County, within fourteen (14) calendar days after the County notifies the awarded Bidder of such deficiency in writing. If the awarded Bidder fails to correct or replace the defect within the period specified, the County may, at its discretion, notify the awarded Bidder it may be subject to contractual default, and/or debarment as a County vendor if the corrections are not completed to the County's satisfaction. If the awarded Bidder fails to satisfy the delivery requirements the County may (a) place the awarded Bidder in default of its contract, and/or (b) procure the products or services from another vendor and charge the awarded Bidder for any additional costs that are incurred by the County either through a credit memorandum or through invoicing.

2.9 ACCEPTANCE OF PRODUCT BY THE COUNTY

The product(s) to be provided hereunder shall be delivered to the County, and maintained if applicable to the contract, in full compliance with the specifications and requirements set forth in this contract. If awarded Bidder(s) product is determined to not meet the specifications and requirements of this contract, either prior to acceptance or upon initial inspection, the item will be returned, at awarded Bidder's expense. At the County's own option, the awarded Bidder shall either provide replacement for the item, or provide a full credit for the returned item.

2.10 METHOD OF PAYMENT

The County shall issue payment after completion of items below:

2.10.1 Group 1 - MDPD

2.10.1.1 The one (1) 20' x 8' 2018 Model or newer Aluminum Airboat, Diamondback Model – 208DAA- 550, or approved equal for MDPD is to be inspected for compliance with all specifications and requirements and are accepted by the County.

2.10.1.2 All documentation such as manuals, warranty, etc. has been received as stipulated therein.

2.10.1.3 All documentation described in the Purchase Order has been received as stipulated below:

- A. Application for certificate of title and/or vehicle registration (HSMV-82040)
- B. Certificate of Motor Vehicle Sale Tax Exemption (MVC Form DR-41A)
- C. Manufacturer's statement of origin to a motor vehicle
- D. The service policy shall be made out in the name of:

Miami-Dade County, Florida
2225 NW 72nd Avenue
Miami, Florida 33122

These documents must be dated to coincide with the delivery of the equipment, send all above documents to:

Miami-Dade County
Internal Services Department
Administrative and Business Services Division
Capital Inventory Section
2225 NW 72nd Avenue
Miami, Florida 33122

All documents must be properly completed, signed and notarized by an authorized individual with no strikeovers on any documents. Non-compliance will result in payment delay.

- 2.10.1.4 The invoice and associated back-up documentation shall be submitted in duplicate by the awarded Bidder to the County as follows:

Miami-Dade Police Department
MDPD, Fiscal Administration Bureau, Accounts Payables,
9105 NW 25 Street, #3049, Doral, FL 33172
(invoices@mdpd.com)

Group 2 - MDFR

- 2.10.2.1 Two (2) 17'5" x 7'2" inflatable boats 2018 Model Year or newer and two (2) Yamaha 70 HP Midrange 4 stroke EFI outboard motors are to be inspected for compliance with all specifications and requirements and are accepted by the County.

- 2.10.2.2 All documentation such as manuals, warranty, etc. has been received as stipulated therein.

- 2.10.2.3 All documentation described in the Purchase Order has been received as stipulated below:

- A. Application for certificate of title and/or vehicle registration (HSMV-82040)
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Miami, Florida 33122

All documents must be properly completed, signed and notarized by an authorized individual with no strikeovers on any documents. Non-compliance will result in payment delay.

The invoice and associated back-up documentation shall be submitted in duplicate by the Awarded Bidder to the County as follows:

Miami-Dade Fire Rescue Department
Attn: Finance Dept. ICO Ms. Angela Boreland
Miami, Florida
Phone No: (786)331-4637
E-mail: Angela.boreland@miamidade.gov

2.11 WARRANTY REQUIREMENTS

A. Type of Standard Warranty Coverage Required

Warranty certificates shall provide a comprehensive liability of all components that are covered under the standard warranty. Under no circumstances shall the County accept a standard warranty period of less than twelve (12) months. The warranty shall start when the hulls have been delivered and accepted by the County. The warranty supplied by the Bidder shall remain in force for the full period identified by the Bidder, regardless of whether the bidder is under contract with the County at the time of defect. Any payment by the County on behalf of the goods or services received from the bidder does not constitute a waiver of these warranty provisions.

B. Correcting Defects Covered Under the Standard Warranty

If repairs and/or parts covered under the standard warranty become defective and must be repaired and/or replaced by the bidder or their local representative, the bidder hereby understands and agrees to complete the repair at no cost to the County, within five (5) work days after the request for such repairs and/or parts is made by a County representative. If the bidder fails to complete the repair and/or supply the parts within this prescribed period, the County may, at its sole option, take any of the following actions: (a) obtain the repair and/or parts from another bidder; and/or (b) place the bidder in default of its contract. If, in the course of exercising these options, the County incurs additional costs, the County shall charge the bidder for the costs, either through a credit memorandum or through invoicing.

2.12 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this contract shall be in accordance with all governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

2.13 BACK ORDER DELAYS IN DELIVERY SHALL NOT BE ALLOWED

The County shall not allow any late deliveries attributed to product back order situations under this contract. Accordingly, the Bidder is required to deliver all items to the County within the time specified in this solicitation and resultant contract; and no grace period on account of back order situations shall be honored, unless written authorization is issued by the user department, and a new delivery date is mutually established.

2.14 INDEMNIFICATION AND INSURANCE

The following clause will replace Section 1, General Terms and Conditions, Paragraph 1.22 Insurance Requirements, Item A. #2:

- A. Commercial General Liability including Products and Completed Operations in an amount not less than \$300,000 per occurrence. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**

2.15 USE OF FEDERAL FUNDING

Since the services that will be acquired under this solicitation will be purchased, in part or in whole, with federal funding, it is hereby agreed and understood that Section 60-250.4, Section 60-250.5 and Section 60-741.4 of Title 41 of the United States Code, which addresses Affirmative Action requirements for disabled workers, is incorporated into this solicitation and resultant contract by reference.

2.16 FEDERAL STANDARDS

Bidder hereby assures and certifies to the County that it will comply with:

(1) Contract Work Hours and Safety Standards Act of 1962, 40 U.S.C (United States Code). 327, et seq., requiring that mechanics and laborer so (including watchmen and guards) employed on federally assisted contracts be paid wages of not less than one and one-half times their basic wage rates for all hours worked in excess of forty hours in a work week; and

(2) Federal Fair Labor Standards Act, 29 U.S.C. s. 201, et seq., requiring that covered employees be paid at least the minimum prescribed wage, and also that they be paid one and one-half times their basic wage rates for all hours worked in excess of the prescribed work-week; and

(3) The Clean Air Act of 1955, as amended, 42 U.S.C. 7401-7671q and the Federal Water Pollution Control Act, 33 U.S.C. 1251-1387; and

(4) Davis-Bacon Act of 40 U.S.C. 276a and The Copeland Anti-Kickback Act of 40 U.S.C. 276b; and

(5) Equal Employment Opportunity Act (EEO), 42 U.S.C.; and

(6) The mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act, P.L. 94-163; and

(7) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)— In accordance with 31 U.S.C. 1352, the Bidder must provide a certification to the Procuring Agency that the Bidder has not and will not use Federal appropriated funds to pay any person or organization to influence or attempt to influence an officer or employee of any Federal department or agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352.) (Exhibit FED-LB1) A bid, which does not include this certificate, may be considered non-responsive.

Bidders that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

(8) Any requirements of 2 CFR (Code of Federal Regulations) pt. 200.318.

(9) Procurement of recovered materials See §200.322.

The Bidder agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

(10) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by a federal department or agency (Complete certification attached)

(11) The Bidder shall not use the DHS (Department of Homeland Security) seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA (Federal Emergency Management Agency) pre- approval.

(12) This is an acknowledgement that FEMA financial assistance will be used to fund the contract only. The Bidder will comply will all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

(13) The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, Bidder, or any other party pertaining to any matter resulting from the contract.

2.17 EXEMPTION TO CERTAIN CLAUSES

As a Federally-funded agency, the following clauses within Section 1.0 do **NOT** apply to this contract.

- Section 1 Paragraph 1.11; Local Preferences: Section 2-8.5 of the Miami-Dade County Code, which provides that preference shall be given to local businesses shall NOT apply.
- Section 1 Paragraph 1.36; County User Access Program (UAP) - The fee in the amount of two percent (2%) shall NOT apply.
- Section 1 Paragraph 1.44; Small Business Enterprises (SBE) Measure- shall NOT apply.
- Section 1 Paragraph 1.45; Local Certified serviced-Disable Veteran's Business Enterprise Preference - shall NOT apply.
- Section 1 Paragraph 1.47; First Source Hiring Referral Program ("FSHRP") - shall NOT apply.
- Prompt Payment Terms - Payment terms under Sections 2-8.1.1.1.1 or 2-8.1.1.1.2, respectively, that are a SBE contract set-aside, bid preference or contain a subcontractor goal, shall NOT apply.

2.18 OFFICE OF INSPECTOR GENERAL

The cost of random audits of one quarter (1/4) of one (1) percent will NOT be incorporated into the contract price of this solicitation. All else remains the same.

SECTION 3

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

3.1. SCOPE

3.1.1 Group 1 - MDPD:

One (1) 20' x 8' Aluminum Airboat 2018 Model Year or newer, Diamondback Model – 208DAA-550, or approved equal

These specifications are for one (1) 2018 or newer 20' x 8' airboat, Diamondback Model – 208DAA-550, or approved equal for the Miami-Dade Police Department (MDPD) to facilitate the rescue and/or recovery efforts of any aircraft incident/accident, within the sixteen hundred square miles of the Everglades that MDPD serves.

Each airboat shall be new, with all manufacturers' standard equipment for retail sales, and shall meet all the specifications listed below. The airboats are to be delivered complete and in excellent condition. MDFR has the right and full authority to have site visits in order to inspect the build process and work hand-in-hand with the awarded Bidder to make sure that the airboat's are being built to the specifications and details provided within this solicitation.

3.1.2. Group 2 - MDFR:

Two (2) 17'.5" x 7'.2" inflatable boats 2018 Model Year or newer and two (2) Yamaha 70 HP Midrange 4 stroke EFI outboard motors

Purchase of two (2) inflatable MILSPEC high performance vessels with two (2) Yamaha 70HP EFI midrange 4 stroke outboards motor with Stainless Steel props and multi-function tillers per the awarded 2017 FEMA Port Security Grant Program (PSGP) minimum standards for intended purpose.

3.2 GENERAL REQUIREMENTS

3.2.1 GROUP 1 – MDPD

One (1) 20' x 8' Aluminum Airboat 2018 Model Year or newer, Diamondback Model – 208DAA-550, or approved equal

- A. The airboat shall be fully operational upon delivery with a full tank of fuel.
- B. The airboat shall conform to all federal, state, and marine safety regulations.
- C. The airboat shall be constructed in accordance with or exceed industry standards for this type of vessel. Reconditioned or used parts will not be accepted.
- D. Marine Grade Aluminum Alloy.
- E. The use of a manufacturer's name, brand name and/or model number within this solicitation is for the sole purpose of establishing minimum requirements of levels of quality, standards of performance and design. These references are in no way intended to prohibit the offer of other manufacturer's brands of equal material, quality, design and standards of performance. When an equal product is offered, the Bidder may be required to furnish the factory information sheets (specifications, brochures, etc.) that show the offered product meets the required specifications.

- F. The Bidder may be out of the State of Florida; however, the Bidder shall have an authorized dealer and repair center in the State of Florida to perform any services on the airboats which are under warranty.

3.2.2 GROUP 1: TECHNICAL SPECIFICATIONS

3.2.2.1 HULL

- A. 20' Aluminum Hull Length 8' Beam Width
- B. Minimum of 24" inches depth mid-ship
- C. Bottom, bulkhead, and transom to be .190 (3/16") 5086 Marine Grade Aluminum
- D. Sides and bulkhead to be .125 5086 Marine Grade Aluminum
- E. Forward deck to extend back 38" to 40" inches to accommodate 4-Wheeler
- F. Bottom of hull will be reinforced with (7) 2" x 2" x 1/4" aluminum T-Bars w/gussets on every T-Bar at transom
- G. From bow to transom for bottom support (T-Bars to be on 7" centers).
- H. Three – 3" Aluminum I Beam Cross Braces
- I. The bottom of the sides will have a 20 degree chine turned down to aid in maneuverability
- J. All bolts, nuts, washers, etc., will be stainless steel, except in engine stand where extra strength is needed.
- K. Lip at top of transom to extend back to a minimum of 10 inches w/two aluminum gussets for bracing
- L. Rhino non-skid surface on deck
- M. Stainless steel bow eye (2-1/2')
- N. 2 – drain plugs
- O. Bottom running surface of the hull will have 3/8" inch black UHMW Marine Polymer, Siliconized-crack resistant from within 8" of bow to stern, installed with thru bolted screws and self-locking nuts
- P. 1/4" UHMW Polymer on sides of hull up to 8" – screwed on with stainless steel counter sink screws
- Q. 4" Aluminum pipe in bow of hull for added strength when loading 4-Wheeler
- R. 10" Walk-Arounds w/non-skid surface (Walk arounds to be flush with four man seating)
- S. One (White) LED light under each side of walk-around
- T. Aluminum flooring w/non-skid surface in bottom of hull
- U. Deck to extend to front passenger seating – passengers feet will rest on deck
- V. Recessed deck lid in front of passenger seating w/stainless steel lock and hydraulic shock
- W. 36" Aluminum grass rake for loading and unloading 4-Wheeler with electric winch – grass rake to be pinned for easy removal.
- X. Stainless steel pull-up cleat on each corner gusset (4)
- Y. Complete Stainless Steel Superstructure include engine stand, prop guard and seating
- Z. One (1) Lenco Electric Marine Airboat Trim Tab Kit Part (15112-101) 9x14 with Toggle Switch

3.2.2.2 ENGINE STAND - All Stainless Steel

- A. Automotive – built of 1" stainless steel square tubing
- B. 4 – mounting points for automotive (Moog Mounts- Rear) (Prothane Mounts - Front)
- C. All mounts to be shock mounted to prevent vibration
- D. Double Battery rack to be built in the engine frame
- E. Stainless steel radiator guard

3.2.2.3 OVERHEAD GUARD – All Stainless Steel

- A. Built of 1" and 7/8" stainless steel tube .065 wall, covered for protection with 2" x 4" stainless steel wire - heavy gauge .135
- B. Stainless steel wire to be powder coated and tie wrapped on with stainless steel tie wraps
- C. Construction to include (2) installed 5' foot welded aluminum, airfoil, and foam filled aluminum rudders with steel rudder rods and steel helms joints
- D. Guard to be separate part of engine stand
- E. Safety guard installed on front of prop guard
- F. LED light brackets on prop guard
- G. Aluminum platform on propeller guard for mounting sirens, blue lights, etc. MDPD will advise size of platform

3.2.2.4 SEATING ARRANGEMENT

- A. Side By Side Large Man Rear Operator Seating – Seat height to be 74 inches to bottom of seat and made sure the light fixture is also raised
- B. Aluminum box under operator seating w/two doors and stainless steel locks
- C. One - four passenger seats with tote basket
- D. One – four passenger seat mounted on aluminum box
- E. White LED lights inside aluminum boxes
- F. Boxes will be carpeted inside
- G. Passenger seating to be easily removed with clips/pins
- H. Seats to have cushions, rain covers
- I. Seat cushions and rain covers to be – MDPD to specify color
- J. Seat shells – MDPD to specify colors

3.2.2.5 PAINTING

- A. Powder coat paint: Propellor Guard, Engine/Seat Stand, Aluminum Instrument Panel, Battery Selector
- B. Switch, Radiator Guard, Expansion Tank, Aluminum Box's Fuel Tank, Rudders
- C. Rhino non-skid – MDPD to specify color
- D. Webbing inside hull – MDPD to specify color
- E. Design to accommodate MIAMI DADE POLICE DEPARTMENT Logo
- F. Paint Rudders MDPD to specify color

3.2.2.6.1 INSTRUMENTS

- A. Center Aluminum Console with backing plate
- B. Teleflex Oil pressure gauge (electrical) – Marine
- C. Teleflex Oil temperature gauge (electrical) – Marine
- D. Teleflex Amp meter (Marine)
- E. Marine type toggle switches (lighted)
- F. Starter/Ignition switch (Marine type)
- G. Teleflex Electrical tachometer – Marine
- H. Teleflex Hour meter – Marine
- I. Two - Accessory outlet's
- J. Teleflex Water Temperature gauge
- K. Teleflex Fuel gauge
- L. Vinyl Instrument panel cover

3.2.2.7 BILGE PUMP

- A. 1 - 1700 Gallon per hour minimum
- B. 1-1/8" Discharge hose with thru-hull fitting

3.2.2.8 STEERING

- A. 3/8" Cable type steering with inter-cable stainless steel – Top Mounted
- B. Steering handle to be located on the drivers left side
- C. Aluminum anodized Steering handle grip
- D. Stainless steel Argutto steering bearing to be 1-3/16" I.D.
- E. Stainless steel lock rings

3.2.2.9 THROTTLE

- A. Livorsi electronic throttle
- B. Throttle pedal assembly to be located on the drivers foot stand and to be operated with the drivers right foot

3.2.2.10 FUEL TANK

- A. 50 Gallon aluminum tank w/electric sender & remote fuel fill
- B. Shock mounted in rubber
- C. Fuel lines are Coast Guard approved

3.2.2.11 WATER COOLING SYSTEM.

- A. Aluminum radiator (31" x 24") Radiator to be installed under the engine and close to the propeller for maximum cooling
- B. Radiator hoses to be Coast Guard approved – Marine
- C. Rust resistant fittings
- D. Radiator to be mounted in shock mount rudders
- E. Aluminum expansion tank
- F. Aluminum overflow tank for coolant recovery
- G. Large Hayden Oil Cooler w/ braided oil lines & AN Fittings

3.2.2.12 ELECTRICAL SYSTEM

- A. Dual batteries with selector switch
- B. 100 amp Alternator (Factory New)
- C. All high current wires to 10 gauge in diameter
- D. All wires shall be encased in convoluted – high abrasive tubing
- E. Coast Guard approved running lights installed on overhead guard
- F. Dual plastic battery box's with tie-down straps
- G. Number 2 gauge battery cables
- H. 2- position battery switch (on-off)
- I. Electrical system fuse-protected
- J. LED Navigation lights, red/white/green

3.2.2.13 ACCESSORIES:

- A. 40" Wheelen Light Bar mounted on prop guard (Curved)
- B. Four (4) – 4-1/2" LED lights on prop guard

3.2.2.14 ENGINE (Automotive)

- A. 6.2L Supercharged PCM Engine – EPA CERTIFIED
- B. Large fuel filter/water separator
- C. GM Starter, heavy duty
- D. Presto-lite Distributor
- E. JW Heavy Duty Flywheel

3.2.2.15 ENGINE REDUCTION UNIT

- A. CH 4 2.52 to 1 Belt Reduction

3.2.2.16 PROPELLER

- A. 4-Blade 82" Sensenich Prop

3.2.2.17 EXHAUST SYSTEM

- A. Stainless steel headers 3"
- B. Stainless steel flex pipe 3"
- C. 2-3" Stainless steel band clamps
- D. 2-3" Stainless steel muffler U-clamps
- E. 3" Stainless steel mufflers
- F. 3" Dump pipes mounted in transom of hull for exhaust

3.2.3. AIRBOAT TRAILER FOR GROUP 1 - MDPD

Trailer to fit a 20' x 8' Aluminum Airboat 2018 Model Year or newer, Diamondback Model – 208DAA-550, or approved equal

REQUIREMENTS:

- 3.2.3.1 20" x 8" Aluminum Trailer
- 3.2.3.2 Tandem Axle
- 3.2.3.3 Color-Aluminum
- 3.2.3.4 14" Radial Tires (Aluminum Rims) maximum towing speed not to exceed (70 MPH)
- 3.2.3.5 Tongue shall be equipped with a properly rated ball mount on it capable of coupling to a minimum 2" ball with 4 prong flat plug in wire harness.
- 3.2.3.6 14" spare tire and (on aluminum rim) combination with a lockable tire mount in tongue area.
- 3.2.3.7 Safety chains with hooks and of sufficient length to allow the trailer to turn properly without binding.
- 3.2.3.8 LED lights Rear Brake lamps and side marker lamps (FLORIDA DEPARTMENT OF TRANSPORTATION APPROVED)
- 3.2.3.9 Pivoting jack and wheel mount installed in the trailer tongue area to aid in the connecting and/or disconnecting from the tow vehicle.
- 3.2.3.10 OEM recommended winch with the appropriately rated and sized nylon strap with hook equipped with safety clasp for the vessel being winched on the trailer from the point where the ramps connect to the trailer.

Commented [rll11]: Are these to be radial tires? Why this tire size? How about manufacturer's recommended tires for the GVWR of the trailer and with a speed rating of no less than (what is the fastest MDPD plans to tow this boat and trailer at?)

Commented [rll12]: How many and where do you need them installed? Do you need any along the side of the trailer. Do you need any mounted on the rear guide poles if equipped on the trailer?

- 3.2.3.11 Trailer to be equipped with the OEM recommended carpeted bow stop for the front of the boat to rest against. Trailer is to be equipped with no less than (2) Teflon running boards (aka bunks) capable of fully supporting the boat while on the trailer as well as aid in the easy loading and unloading of boat. Additionally, the trailer is to be equipped with the OEM recommended carpeted wood side guides.
- 3.2.3.12 Fender wells are to be provided for all the rims and tire on the trailer except the spare tire and rim combination. The aluminum fenders must be capable of supporting a 200 lb. person standing on it.
- 3.2.3.13 Provide and install the OEM recommended easy load style permanent ramps installed at the end of the trailer with no less than 3 rollers on each ramp (Industry Standard).
- 3.2.3.14 One (1) left and One (1) right Transom Tie down on the trailer. The awarded Bidder is to provide the two (2) straps that will be used to secure the boat to the trailer.
- 3.2.3.15 Surge Brakes on all axles
- 3.2.3.16 Lighted mount for trailer tag.

Commented [rll13]: What is the minimum length of this ramp and what is the roller supposed to do and weight it is supposed to hold.

Commented [rll14]: What kind of brakes? Surge or electric? Are they to be disc or drum brakes? At this weight, state law requires brakes on all axles.

3.3 GROUP 2 – MDFR TECHNICAL SPECIFICATIONS:

Provision of two (2) inflatable MILSPEC high performance vessels with two (2) Yamaha 70HP EFI midrange 4 stroke outboards with Stainless Steel props and multi-function tillers per the awarded 2017 FEMA Port Security Grant Program (PSGP) minimum standards for intended purpose.

Bidders must be regularly engaged in the production and/or distributorship of proposed items as authorized dealers. Bidders must submit on manufacturer's letterhead to substantiate claim.

3.3.1 BOAT DESIGN:

The requested polyester scrim coated polyurethane inflatable vessel shall have a **minimum** Exterior dimension of 17'5" in length or 5.3 meters, 7'2" overall beam, Internal **minimum** length of 13' 2", Internal beam of 3'5", with **minimum** of 5 tube chambers 22" in diameter. Seams and laps **shall** be thermo-welded where possible (no glue) **except** where needed in final seam closures. Buoyancy tubes and fabric floor must be constructed of **at least** 40oz. durable (TPU) polyurethane coated polyester for tear abrasion resistance, heat and UV protection. Boats **shall** be equipped with composite fold up floor and reinforced keel section for abrasion resistance.

Inflatable vessel shall be equipped with at least four (4) each lifting points, at least twelve (12) internal D-rings, and eight (8) heavy-duty carry handles. **Shall** also be equipped with at least (4) tow eyes or rings, (2-front and 2-rear). **Shall** be equipped with composite transom and engine mounting plate.

Inflatable vessel shall be equipped with at least two (2) auto-inflation points with SCUBA/Co2 rapid inflation system, pressure relief and inflation/deflation valves. **Must** be equipped with Auto-inflation and keel system to maintain buoyancy.

Boats shall have a **minimum** payload capacity of 4,000 lbs. with a carrying capacity of 10 to 12 people on board and accommodate at least 70HP four stroke EFI outboard tiller motor with 20" shaft (Yamaha midrange).

Vessel shall be equipped with optional **18**-gallon flexible fuel bladder.

3.3.2 OUTBOARD MOTORS:

Bidder must provide described vessel with two (2) Yamaha Midrange 4 stroke EFI outboard motors with multi- function tiller including forward/reverse and kill switch. Motors **must** be equipped with

Yamaha FX4 stainless steel propellers. This is a **no substitute** item as per the award specifications from the 2017 PSGP grant language and grant funding requirements.

3.3.3 GENERAL INFORMATION:

Bidders must be regularly engaged in the production and/or distributorship of proposed items as authorized dealers. Bidders must submit on manufacturer's letterhead to substantiate claim.