

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New OTR Sole Source Bid Waiver Emergency Previous Contract/Project No. N/A
 Contract
 Re-Bid Other

LIVING WAGE APPLIES: No

Requisition No./Project No.: RQAD1500005 TERM OF CONTRACT: One-Time Purchase

Requisition /Project Title: EPP RFP-00203 Animal Services Surgical Trailer

Description: Miami-Dade County, hereinafter referred to as the County, as represented by the Miami-Dade County Animal Services Department, is soliciting proposals for a gooseneck animal spay and neuter surgical trailer.

Issuing Department: Miami-Dade Transit

User Department	One-Time Purchase	Funding Source
ASD	\$249,999.00	Proprietary Funds

Contact Person: Tracey Jones Phone: 305-375-4803 Estimate Cost: \$249,999.00

ANALYSIS

Commodity Codes: 070-75, 073-47

Check here if this is a new contract/purchase with no previous history.

	EXISTING		
Contractor:	N/A		
Small Business Enterprise:	N/A		
Contract Value:	N/A		
Comments:			
Continued on another page (s):			

RECOMMENDATIONS

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

Basis of recommendation:
 [Redacted]

Signed: <i>Tracey Jones</i>	Date sent to DBD: 3/13/2015
	Date returned to DPM: [Redacted]

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Miami-Dade County, Florida

EPP RFP No. 00203

ANIMAL SERVICES SURGICAL TRAILER SCOPE OF SERVICES

Background

Miami-Dade County's Animal Services Department (ASD) requires a gooseneck animal spay and neuter trailer to perform spay and neuter surgeries to animals throughout the County. (See Appendix "A" to this Scope of Services for technical specifications).

This trailer will be used by veterinarians with Miami Dade County's Animal Services Department (ASD) to perform spay and neuter surgeries for animals throughout Miami Dade County. This trailer will be towed by a properly equipped tow vehicle on the various roads and highways at the posted speeds within the United States and Miami Dade County.

The final dimensions of the trailer will be engineered by the Proposer and approved by the County in order to achieve a high quality, safe and reliable trailer. The final dimension shall not be smaller than the dimensions cited below in Appendix A (Technical Specifications). In addition, the final dimensions determined by the Proposer shall not place the unit into any over height and/or over width category where the ASD will have to apply and/or procure these types of permits for the trailers.

Minimum Requirements

1. The selected Proposer must be an authorized dealer of the manufacturer or a duly licensed and authorized leasing company engaged in the business of leasing automobiles. The Bidder must provide authenticating documentation of its status.
2. In accordance with Chapter 320 of the Florida Statutes, SS320.27, the Proposer must be licensed by the state of Florida as a motor vehicle dealer.
3. A service facility capable of supporting the proposed sale and performing warranty repairs and supplying needed parts must be located in Miami-Dade or Broward County. The service facility is subject to the County's review and approval.

Note: Proposer shall provide copies of requested documents with their proposal. However, the County reserves the right to request such documentation during the evaluation period. Failure to meet these requirements may result the proposal being deemed non-responsive.

Pre-Construction Conference

The selected Proposer shall attend a Pre-Construction Conference conducted by County officials designated to represent the County prior to the manufacturing or assembly of the equipment which is specified in the contract. The County will select the location of this construction conference. Any costs incurred by these County officials in conjunction with the pre-construction conference shall be borne by the County.

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Miami-Dade County, Florida

EPP RFP No. 00203

Warranty

The selected Proposer shall supply and be responsible for the vehicle's warranty.

a. Vehicles with a GVWR of 19,500 pounds or less will have a warranty free of deductibles with no less than the following industry defined coverage:

Thirty-six months (36) or 36,000 miles full vehicle bumper to bumper. Sixty months (60) or 60,000 miles on the power train. Hybrid unique components (if hybrid) ninety-six months or 100,000 miles.

b. Vehicles with a GVWR of 19,501 pounds or more will have a warranty free of deductibles with no less than the following coverage:

Twenty-four months (24) bumper to bumper. Sixty (60) months on the engine and transmission. Hybrid unique components (if hybrid) sixty (60) months.

When vehicle or component manufacturers provide a warranty with coverage in excess of that stipulated herein, that additional coverage shall not be diminished by the requirements of this paragraph. When vehicle or component manufacturers provide a warranty with less coverage than that stipulated herein, the selected Proposer shall provide a supplemental warranty that meets or exceeds the warranty requirements, as stipulated herein. The warranty terms shall be subject to Delay in Start Warranty Program (commence when the vehicle is put into service), if available from the vehicle's manufacturer.

Deliverables

Deliveries shall be made to Shop 2 Truck, located at 6100 SW 87th Avenue, Miami, Florida or at another location that may be so designated on the purchase order. Deliveries may be made between the hours of 8:00 A.M. and 2:00 P.M. weekdays. The selected Proposer shall contact the Facility Supervisor, at (305) 273-4125 forty-eight (48) hours prior to delivery.

The equipment delivered shall be in full compliance with the specification and requirements of the resultant contract and must be in excellent, ready to work condition. Upon verification and compliance with these requirements the County will accept the delivered equipment.

Upon delivery, the selected Proposer shall provide the County with a minimum of one (1) comprehensive training manual which describes the appropriate use of the equipment purchased, and, fifteen (15) comprehensive repairs and parts manuals which identify the component parts and which describe the appropriate process for repairing the equipment purchased. This may be done by book, CD or online access to the appropriate complying information.

The selected Proposer shall be responsible for promptly correcting any equipment delivery deficiency at no cost to the County, within ten (10) calendar days after the County notifies the selected Proposer of such deficiency in writing. If the selected Proposer fails to correct or replace the defect within the period specified, the County may, at its discretion, notify the selected Proposer in writing that they may be found in violation of the Contract or be subject to contractual default if the deficiencies are not corrected and/or replacement or repairs are not completed to the satisfaction of the County within the specified timeframe. If the selected Proposer fails to satisfy the delivery requirements within the period stipulated in the notice, the County may (a) place the selected Proposer in default of its contract, and/or (b) procure the products or services from another Proposer and charge the selected Proposer for any additional costs that are incurred by the County

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Miami-Dade County, Florida

EPP RFP No. 00203

either through a credit memorandum or through invoicing.

The selected Proposer shall also provide the following documentation:

Application for Certificate of Title and/or Vehicle Registration (HSMV-8040),
Certification of Motor Vehicle Sale Tax Exemption (MVC Form DR-41A),
Motor Vehicle Dealer Title Reassignment Supplement (DHSMV 82994),
Manufacturer's Statement of Origin To A Motor Vehicle and Service Policy
shall be made out in the name of:

Miami Dade County, Florida
2225 N.W. 72nd Avenue
Miami, Florida 33122

These documents shall be dated to coincide with the delivery of the equipment, send all papers to:

Internal Services Department
Administrative and Business Services Division
Capital Inventory Section
2225 N.W. 72nd Avenue
Miami, Florida 33122

All documents must be properly filled out and completed, signed and notarized by an authorized individual with no strikeovers on any documents. Noncompliance will result in payment delays.

Inspection

The County reserves the right to conduct multiple production inspections at any location or company that may be involved with the construction of the vehicle. Any costs incurred by the County in conjunction with on-site production inspection will be borne by the County.

Schedule

The selected Proposer shall deliver the equipment within 180 days from the date the County places the order. The selected Proposer shall correct any vehicle delivery deficiency within 10 calendar days of County notification to the selected Proposer in writing of such deficiency.

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Miami-Dade County, Florida

EPP RFP No. 00203

APPENDIX A

TECHNICAL SPECIFICATIONS

GENERAL:

Manufacturer's name, brand name and/or model number when used in these specifications are for the sole purpose of establishing minimum requirements of levels of quality, standards of performance and design. They are in no way intended to prohibit the bidding of other manufacturer's brands of equal material, quality, design and standards of performance, unless the wording HIGHLY RECOMMENDED is used. When an equal product is bid, the Proposer shall furnish the factory information sheets (specifications, brochures, etc.) that show the product meets the required specifications no less than ten (10) business days prior to close of bid for consideration. The County will be sole judge of equality, similarity and acceptance, and the County's decision shall be final. Proposers shall follow the intent of these requirements and/or specifications as written.

When HIGHLY RECOMMENDED is used in combination with a manufacturer's name, brand name and/or model number, the named item is the County's preference and the County has the right to require the Proposer to provide the preferred supplies.

Manufacturer's standard information sheets, catalogues, brochures and all supporting documentation submitted must show the product meets the required specifications. Proposals that are submitted with standard product literature which offer technical data or product descriptions indicating the item or product bid does not meet the required specifications must be accompanied by a letter, on the Proposer's company stationary, identifying those differences and describing how compliance with the required specifications is to be accomplished.

Note: Photographs, picture, and other graphic illustrations that are part of standard product literature will not be used in determining product compliance with these specifications.

The equipment furnished by the Proposer, during the term of the Contract, shall be new and the most recent model available. Demonstrator models are not acceptable. Any optional components that are required in accordance within Appendix A (Technical Specifications) shall be considered standard equipment for the purposes of this solicitation. Any optional components that are recommended by the vehicle manufacturer for the application intended must be included and will be considered standard equipment for the purposes of this solicitation. The application and usage of all components, sub-components or parts must be in accordance with their manufacturers' recommendations, as well as the recommendations of all associated component manufacturers. Omission of any essential detail from these specifications does not relieve the Proposer from furnishing a complete and ready to work unit. The silence of specifications on any point shall mean that only the finest commercial practices of the industry shall apply and all interpretations of the Technical Specifications shall be so governed. The unit shall conform to all applicable Occupational Safety and Health Administration (OSHA), State and Federal, and American National Standards Institute (ANSI) requirements and standards, and Department of Transportation (D.O.T.) regulations. All components and included craftsmanship are to be in accordance with current Society of Automotive Engineers (S.A.E.) standards and recommended practices. The engineering, materials and workmanship shall exhibit a high level of quality and appearance, consistent with or exceeding the industry standards.

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EPP RFP No. 00203

The County may, after delivery and acceptance of the initial equipment ordered, make changes to the required equipment or equipment options supplied, provided; 1) such changes are mutually agreed between the Proposer and the County, 2) all changes in per unit pricing are no more than the change in per unit documentable cost to the Proposer, and 3) that the net amount of any such changes is no more than ten percent of the per unit price originally bid. Proposals requiring a pre-construction conference, or, the construction and approval of a prototype unit, will be considered in satisfaction of the initial equipment order provision of this paragraph.

If the Proposer is the equipment's manufacturer or fabricator, an approved service facility capable of performing warranty repairs and supplying needed parts must be located in Miami-Dade or Broward County. The service facility will be subject to the approval of the County.

If the Proposer is an approved dealer of the manufacturer or fabricator, not located in Miami-Dade or Broward County, the Proposer must provide proof of having a mutual agreement with a certified dealer or service facility of the same manufacturer or fabricator located in Miami-Dade or Broward County, capable of delivering and supporting the proposed sale. This facility must be capable of performing warranty repairs and supplying needed parts and will be subject to the approval of the County.

The Proposer may be required to enter into an Original Equipment Manufacturer (OEM) parts and service supply agreement with Miami-Dade County, during the useful life of the equipment furnished. This maintenance support agreement would be to supply parts, repairs and training or service at the County's discretion. The Proposer may use a local service representative to provide these services to the County. Failure to meet this requirement may result in award being rescinded and/or rejected.

TOWING REQUIREMENTS:

The gooseneck animal surgical trailer to be provided to the County shall be able to be towed by an existing County vehicle and second unit presently on order and shortly to be delivered. Additional information can be provided if needed upon request

Existing Vehicle:

2014 Dodge 3500 4x4 Tradesman Crew Cab Pickup with options listed below:

- Diesel engine
- Automatic transmission
- Dodge OEM 5th wheel tow prep kit and hitch

Second Unit Presently on Order:

2015 Ford F-350 Crew Cab 4x4 Pickup with 8 ft. bed with options listed below:

- Diesel Engine with Dual alternator package and high idle kit if available.
- Automatic Transmission with oil cooler (if available) for towing application.
- Front and Rear Sway bars for towing application if not standard and available on the model.
- Ford Telescoping Trailer Tow Mirrors.
- FORD OEM Trailer Brake Controller to be wired to operate both trailer brake electrical connections. However, only one connector will be used at one time.
- 7 pin round trailer electrical connector inside the pickup bed of the vehicle for a gooseneck tow application.
- 7 pin round trailer electrical connector at the rear bumper.

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Miami-Dade County, Florida

EPP RFP No. 00203

- Ford OEM 5th wheel gooseneck hitch prep package with Ford OEM Gooseneck Hitch Kit with a 2 5/16 inch ball.
- Ford OEM 2 1/2 inch weight distributing hitch. Also Provide the matching a 2 1/2 inch insert.
- Spray on bed liner for the complete pickup bed and tail gate.

TRAILER DIMENSIONS:

Minimum Overall Body Length: 34 feet (26 ft. of floor level body and 8 ft. of gooseneck).

Overall Body Width: 102 Inches "Highly Recommended"

Overall Height: To be determined by the proposer to supply a 7 foot interior ceiling height from the lowest point of any item/obstruction mounted to the inside of the roof of the trailer to the floor of the trailer.

HITCH TYPE:

Goose neck hitch with safety break away chains if available. The trailer will be towed at posted road and highway speeds.

GROSS VEHICLE WEIGHT RATING (GVWR):

The proposer will need to calculate the GVWR of the trailer. The GVWR to be provided must be no less than the total weight of a fully assembled and loaded trailer-full of fuel and liquids, plus the weight of a 24 lb. animal in each cage. A spare capacity of no less 10% that is to be factored into this calculation. The proposer should supply with their bid an unloaded and loaded weight distribution chart showing this trailer connected to a tow vehicle. These weight charts should plainly show weight on the rear axle of the pickup, weight on the goose neck hitch, and weight on the trailer axles.

The final build of the fully loaded trailer cannot exceed the tongue weight of the hitch systems, the towing capacities to include the gross axle weight ratings (GAWR) or gross combined weight ratings (GCWR) of any of the vehicles cited above.

FRAME:

The entire frame of the trailer to include all main frame beams, cross beams, front bulk head, side wall framing, roof framing and interior framing etc. of this trailer shall be either steel or aluminum of sufficient grade, strength, and gauge to prevent the trailer from collapsing, twisting, bending, warping, creasing, etc. due to the constant load this trailer will be under plus its intended use. All joints are to be continuously welded and the end of any tubing are to be capped so as not to collect debris.

The cross beams that support the complete floor of the trailer need to be evenly spaced and be able to fully support a fully loaded trailer at all times. The cross beams must be able to properly support the entire floor to prevent it from cracking, warping, lifting, or from dips forming in the floor. In addition the cross beams must be able to support all of the animal caging full of animals, surgery and pre table, tanks, etc. that will be installed in or on the trailer as well as all cabinetry, wash stations, supplies, etc.

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EPP RFP No. 00203

The complete underside of the trailer to include the frame, floor and wheel wells are to be completely undercoated with professional grade spray on rubberized undercoating to prevent damage due to rust and corrosion.

The Proposer is to supply no less than two (2) sets of electric leveling and stabilizer jacks that prevents the unit from rocking and swaying while stationary and in use. An easy to reach and use manual override system is to be provided if available to be able to retract the units in case of electrical failure. A removable tethered control is to be provided that operates the jacks independently. The control is to plug into the side of the trailer by the entry door and the plug is to have a spring loaded water tight cover. The cable for this control must be long enough to allow the individual to walk around to the other side of the trailer for the safe operation of the leveling jacks.

SUSPENSION AND AXLES:

The proposer will be required to determine and provide the number of axle(s) needed to meet the GVWR calculations and proper weight distributions. The proposer will also need to determine the correct location of the axles so that each individual axle cannot be over loaded nor can the trailer exceed the tongue loads of the hitch system described above and the pickup rear axle GAWR.

The proposer will need to provide the correct number of rim(s) and radial tire(s) combination which shall be properly rated for the GAWR and GVWR of the trailer to be provided and for the towing speed stipulated above. Two (2) spare tire and rim combinations must be supplied and the proposer may be asked to mount them on a lockable mount with an appropriate cover (exact location to be determined) or may be asked to deliver them loose in the trailer. The tires on the trailers must be covered by fenders. The rims are to be painted white.

The proposer will need to provide that largest possible brake system on each of the axles being supplied to meet DOT requirements. The brake wiring shall be run through a protective conduit from the axle to the hitch point on the trailer with enough slack at the connection point to allow the trailer to pivot without damaging the wiring. An emergency breakaway brake system shall be provided. If a battery is used to activate the breakaway system, the battery is to be charged by the vehicle. The battery is to be either an AGM or gel type battery "Highly Recommended".

TRAILER LIGHTING:

The proposer shall provide all LED lighting for all clearance, side marker, brake, stop, and turn signal on the trailer. This lighting must meet all DOT, FDOT, FMVSS, etc. requirements.

The wiring to the front of the trailer must be run protective conduit and at the hitch point, it must have enough slack to allow the trailer to pivot without damaging the wiring.

The proposer is to provide the correct seven (7) pin RV electrical/brake connector that is to be used for the lighting and braking of the trailer.

The proposer is to provide a properly illuminated license plate bracket to meet DOT, FDOT, FMVSS, requirements.

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EPP RFP No. 00203

EXTERIOR:

The exterior skin of the trailer is to be manufactured from aluminum and be of sufficient grade, strength, and gauge to prevent it from warping, cracking, and flexing at all times. The exterior skin is to be properly riveted to all vertical and horizontal framing members and all rivets are to be evenly spaced. The exterior of the trailer is to be painted white.

All exterior seams on the trailer, lights, mounts, accessories, hardware, etc. must be properly secured and sealed with the appropriate sealer to prevent any water and bugs from entering the trailer through these seams and or holes.

On the curbside of the trailer and as far forward as possible the Proposer is to provide and install a thirty inch (30") wide and tallest possible RV style lockable door with a fully tinted window and configured to open fully towards the gooseneck area to allow for ingress and egress of the trailer by ASD employees. The interior of the door is to be fully insulated just like the interior of the vehicle. The door is to also have a latch on it to secure the door in the open position to prevent it from closing inadvertently. If the floor of the trailer is too high off the ground, the proposer will be required to provide manual retractable steps to mitigate the difference in height for ease of ingress and egress. The design of these steps is to be the type that cannot be damaged in transit when in the fully retracted position.

A lockable access door to repair, maintain, and/or remove the complete generator assembly is to be supplied

ROOF:

The roof of the trailer is to be reinforced to support the weight of a platform system that is to hold two (2) remote controlled (i.e. raise and lower) programmable (from the floor of the trailer) self-contained LED sign boards. One sign board is for the left and one is for the right side of the trailer. The roof must also be cable of supporting the weight of a 250 lb person walking on the entire roof.

The sign boards are to be twenty (20') feet in length and be no less than three (3') feet in height. The sign boards are to be mounted for maximum visibility from the ground and centered over the lowered floor level body area. Final location to be determined at pre-construction conference.

The sign boards must be designed to be manually raised and lowered in case of power or motor failure.

A ladder is to be provided to reach the roof. The ladder is to be of the type that prevents unauthorized access to the roof and must be capable of supporting a 250 lb person using this ladder.

INTERIOR:

The base sub-floor in the body and gooseneck areas is to be fabricated from marine grade plywood and be at one (1) level. Split level flooring is not acceptable. The sub floor is to be of sufficient grade, strength, and thickness to prevent the finished floor from cracking, warping, lifting, or from dips forming in the floor because of the placement of equipment on the floor and/or from persons walking on it. The finished interior flooring is to be hospital grade anti-microbial flooring that can withstand the flexing of the trailer it will be exposed to. Exact color of the flooring will be selected at the pre-construction conference.

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EPP RFP No. 00203

The proposer is to provide and install the highest possible R value spray in foam insulation or fiberglass bat insulation or equivalent type insulation that is completely resistant to humidity and the creation of mold and mildew. There are to be no voids in the installation of the insulation. This insulation is to be installed in between all vertical and horizontal studs to include the roof to provide the highest possible heat soak rejection in the trailer.

The left and right interior walls are to be manufactured from smooth dull finish stainless steel and be of sufficient grade, strength, and gauge to prevent it from warping, cracking, and flexing at all times. The interior skin is to be properly secured to all vertical and horizontal framing and all fasteners are to be evenly spaced.

The ceiling of the interior is to be manufactured from aluminum and be of sufficient grade, strength, and gauge to prevent it from warping, cracking, and flexing at all times. The interior aluminum roof is to be properly secured to all vertical and horizontal framing and all fasteners are to be evenly spaced. This aluminum interior ceiling is to be painted white.

All interior wall and ceiling seams on the trailer must be properly secured and sealed with the appropriate sealer to prevent any water, chemical, bodily fluids, and bugs from entering the wall cavity of the trailer through the interior seams.

To protect the bottom of the interior walls where no cabinetry and/or caging is installed the proposer is to provide and install a six inch (6") continuously welded smooth stainless steel kick plate (except for the entry and exit door) to prevent damage to the lower part of the walls, as well as to prevent water and/or cleaning liquids from entering the walls at any seam. The kick plate must be properly sealed with sealant to prevent the entry of debris and water between the kick plate and the interior stainless steel skin. The proposer is to also protect the kick plate and the wall from galvanic corrosion/rust due to the use of dissimilar metals.

SURGERY AREA:

The surgery area of the trailer will be at the rear most part of the trailer encompassing the rear wall and rear most part of the left and right side interior walls of the trailer to create a "U" shape area at the back.

At the rear most part of the left and right side of the trailer the proposer is to provide and install on each side of the trailer one (1) Patterson Veterinarian or County approved equal "Highly Recommended" self-contained flat top surgery table with hands free height adjustable single hydraulic column stainless steel flat surgical table with raised anti-drip edges for fluids and drain hole for the draining of fluids. Table must be adjustable in height from approximately from 34.5 inches to 42.5 inches and have an approximate dimension of 48 inches in length and 22 1/8 in width.

Attached to the left and right side wall the proposer is to provide and install one (1) Patterson Veterinarian adjustable surgical light or County approved equal "Highly Recommended". The wall area to where the lights are mounted is to be fully reinforced to prevent the lights from separating from the wall.

Attached to the left and right side wall and centered over and above the surgery table the proposer is to provide and install one (1) Patterson Veterinarian adjustable anesthesia machine or County approved equal "Highly Recommended" The wall area to where the anesthesia machine are mounted are to be fully reinforced to prevent the machines from separating from the wall. Each anesthesia machine is to be connected to an anesthesia evacuation active gas evacuation system.

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Miami-Dade County, Florida

EPP RFP No. 00203

Attached to the rear wall area in between the surgical tables the proposer is to engineer, design, and fabricate the largest possible all stainless steel cabinet with one (1) drawer and one (1) door that is 30 inches high from the ground with the counter top. The drawer and door is to be designed not to open when trailer is being towed. The interior of the cabinet is to be equipped with an internal adjustable stainless steel shelf for the storage of items. The cabinet must have a flat stainless steel counter top. The counter top of the cabinet is to have rounded corners and is to have a small raised rolled lip to prevent items from falling off and fluids from dripping onto the floor. No sharp areas are to exist on the cabinet or counter top.

The full width and height wall that divides the surgery area from the remaining part of the trailer is to be constructed with a minimum 32"inch wide door way and a minimum height of 79 inches. The doorway is to be equipped with latching twin pocket doors that can be latch and/or unlatch from either side. Each door is to be equipped with a 12 inch by 12 inch window. The doors are to stow completely into the wall when in the opened position. The surface of the doors and wall is to be smooth dull finish stainless steel.

Attached to the wall on the surgery area side of the wall and on the left side of the trailer, the Proposer is to provide and install a bracket to properly mount and secure two (2) "H" size oxygen tanks.

To supply oxygen simultaneously to the anesthesia machines located at the two (2) surgery tables and to the anesthesia machine at the one (1) exam table listed below, the Proposer is to provide one (1) distinct and separate free flowing hospital grade tubing line to each of the tables "Highly Recommended". These lines are to be run inside the wall cavity. Rubber hosing or any other type of hosing in the interior wall cavity is not permitted. These lines are to be connected to one central manifold with individual valves that allows oxygen to turn On or Off as needed to each table. The manifold is to be connected to one (1) "H" size tank with an appropriately sized regulator. There is to be a proper hose in between the tube that exists the wall to the anesthesia machines.

On the rear wall of the trailer above the cabinet area approximately 18 inches high from the counter the Proposer is to provide and install a window with a removable screen. The window is to be approximately 30 inches wide by 20 inches tall. The window is to open horizontally.

ANIMAL SURGERY PREPARATION AND CAGING AREA:

Right Side Interior Area

1. The proposer will develop and construct a bank of all stainless steel animal caging with doors to be fabricated from stainless steel tubing and be of sufficient strength to keep all animals in the cages at all times regardless of the size and strength of the animal.

The overall height of the bank is to be no less than 72 inches in height. The overall length of the bank is to be no less than 168 inches. The depth of the bank is to be no less than 24 inches.

The individual height, and width of each row of caging is to be constructed as follows:

- Bottom row of caging is to contain four (4) individual cages of no less than 36 inches wide by 30 inches tall and be designed to house very large and large breed dogs.
- Second row of caging is to contain six (6) individual cages of no less than 24 inches wide by 24 inches tall and be designed to house medium to large breed dogs.

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Miami-Dade County, Florida

EPP RFP No. 00203

- Top row of caging is to contain eight (8) individual cages of no less than 18 inches wide by 18 inches tall and be designed to house small to medium breed dogs.

Attached to the bank of caging towards the entry and exit door the proposer is to fabricate and install a column bank of animal caging with stainless steel tubing doors constructed in the same manner as the bank of caging above. Each cage is 24 inches in height, 24 inches in width and 24 inches in depth,

2. Right Side Closet:

Attached to the right side bank of caging toward the rear of the trailer and attached to the wall that separates the surgery area from the rest of the trailer, the Proposer is to fabricate and install an all stainless steel cabinet with smooth dull finish stainless steel finish. The door of the closet cabinet is to be designed not to open when the trailer is being towed. The closet is to be as large as possible and have adjustable shelving with no less than six (6) stainless steel smooth finish shelves. Each shelf is to have a front lip to prevent items from falling off the shelf

3. Right Side Cabinet:

Attached to the right side column bank of cages toward the entry and exit door the Proposer is to engineer, design, and fabricate the largest possible all stainless steel cabinet with one (1) door that is 30 inches high from the ground with the counter top. The door is to be designed not to open when trailer is being towed. The interior of the cabinet is to be equipped with two (2) internal adjustable stainless steel shelves for the storage of items. The cabinet must have a flat stainless steel counter top with a small raised rolled lip to prevent items from falling off and fluids from dripping onto the floor. No sharp areas are to exist on the cabinet or counter top.

Left Side Interior Area

1. The proposer will develop and construct a bank of all stainless steel animal caging with doors to be fabricated from stainless steel tubing and be of sufficient strength to keep all animals in the cages at all times regardless of the size and strength of the animal. This bank to be located towards the rear left side of the trailer adjacent to the surgery area.

The overall height of the bank is to be no less than 72 inches in height. The overall length of the bank is to be no less than 36 inches. The depth of the bank is to be no less than 24 inches.

The individual height and width of each row of caging is to be constructed as follows:

- Top row of caging is to contain four (4) individual cages of no less than 18 inches wide by 18 inches tall and be designed to house also small to medium breed dogs.
- Second row of caging is to contain four (4) individual cages of no less than 18 inches wide by 18 inches tall and be designed to house medium to large breed dogs.
- Bottom row of caging is to contain two (2) individual cages of no less than 36 inches wide by 30 inches tall and be designed to house very large and large breed dogs.

Attached to the bank of caging towards the front of the trailer the proposer is to provide and install an exam prep/wet table with a minimum six (6) inch wide stainless steel sink with a combination hot/cold faucet and hose. This configuration is to allow for access to the table from three (3) sides.

Attached to the side wall and centered over and above the prep/wet table the proposer is to provide and install one (1) Patterson Veterinarian adjustable anesthesia machine or County approved equal "Highly

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Miami-Dade County, Florida

EPP RFP No. 00203

Recommended" The wall area to where the anesthesia machine is to be mounted is to be fully reinforced to prevent the machines from separating from the wall. The anesthesia machine is to be connected to an anesthesia evacuation active gas evacuation system.

Attached to the side wall the proposer is to provide and install one (1) Patterson Veterinarian adjustable exam light or County approved equal "Highly Recommended". The wall area to where the light is to be mounted is to be fully reinforced to prevent the lights from separating from the wall.

2. Combination Cabinet and Sink:

Adjacent to the prep/wet table, the Proposer is to fabricate and install a thirty-six inch (36") wide stainless steel cabinet with two (2) doors and two (2) adjustable shelves. A stainless steel counter top with rolled drip proof edges is to be fabricated and a replaceable six (6) inch stainless steel sink with faucet centered over the cabinet is to be provided and installed. On the area on top of this bottom cabinet the Proposer is to provide and install a thirty-six inch (36") wide and twenty-four inch (24") high stainless steel cabinet with two (2) doors and two (2) adjustable shelves). The Proposer is to fabricate and install a stainless steel backsplash between both cabinets. On the back splash between the upper and lower cabinets the Proposer is to provide and install a duplex GFCI 110V outlet.

For the counter top area cited above, the Proposer is to provide a Mid Mark Autoclave M11 sterilizing machine or County approved sterilizing machine "Highly Recommended".

3. Left Side Mid Bank Cage:

The proposer will develop and construct on a raised platform bank of all stainless steel animal caging with doors to be fabricated from stainless steel tubing and be of sufficient strength to keep all animals in the cages at all times regardless of the size and strength of the animal. This bank is to be located adjacent to the cabinet and sink cited in section B.2. towards the front of the trailer.

The bottom area of the two (2) banks of cages is to store a free vet scale with no less than a 700 lb. limit. The first bank of cages is to be fabricated with an overall height of no less than 48 inches in height. The overall length of the bank is to be no less than 30 inches wide. The depth of the bank is to be no less than 24 inches. On top of this bank of cages, the Proposer is to fabricate and install a stainless steel counter top to properly support and secure a minimum 3.6 cu. Ft. refrigerator for the refrigeration of medicines.

In the area over the bank of caging and refrigerator the Proposer is to fabricate and install an all stainless still cabinet that measures 48 inches wide by 30 inches high by 24 inches in depth. The cabinet is to be provided with two (2) adjustable shelves.

The second bank of animal caging is to be fabricated to form three levels of individual caging and is have an overall height of no less than 72 inches in height. The overall length of the bank is to be no less than 24 inches wide. The depth of the bank is to be no less than 24 inches.

4. Left Side Desk Top:

The proposer will develop and construct an all stainless steel desktop work surface that measures no less than 36 inches wide by 24 inches in depth and 29 inches from the bottom of the counter top.

The Proposer is to fabricate one (1) padded bench for an individual to use when using the desktop. The padded bench is to fit under the desktop and be secured to prevent it from moving around during transport.

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Miami-Dade County, Florida

EPP RFP No. 00203

Over the desktop the Proposer is to provide and install an all stainless steel cabinet with two (2) doors and two (2) adjustable shelves. The cabinet is to be no less than 24 inches high by 30 inches wide by 24 inches deep. Installed to the bottom of the cabinet the Proposer is to provide an all LED 110V light capable of properly illuminating this area. In the wall space between both cabinets provide and install an 110V GFCI outlet.

FRESH WATER SYSTEM:

The proposer will engineer, design, and install an appropriate fresh water delivery system to supply water to the inside of the trailer. The water system is to be designed to delivery both cold and hot water to all the sinks. The hot water side should have properly sized 110V or 220V on demand water heater and deliver plenty of pressure to the sinks without the loss of pressure over time. The cold water side needs to deliver plenty of pressure to allow for the simultaneous use of the faucets, and spray hose on the sinks.

The clean water tank is to be no less than 50 gallons. This tank must be able to be filled by the use of an outside counter sunk and properly capped connector. This fill system must be engineered, and design to allow for the connection of a hose to this system to constantly supply water if so desired to do so.

The fresh water system must have a gauge inside the trailer that advises of the state of fill of the tank. In addition, it must have a light and audible low water alert system to alert users of the trailer that the system is at twenty five percent (25%) of capacity and is running low on water before it completely runs out of water damaging the water pump(s).

WASTE WATER SYSTEM:

The proposer is to engineer and design an appropriately sized waste water system. This system is to collect all water from the prep table and all sinks.

This system must be capable of holding more than 70 gallons of waste water. It must also have an RV style dump valve to completely empty the tank. The awarded proposer is to supply no less than a twenty foot (20') dump hose to allow for the emptying of the waste water system.

The waste water system must have a gauge inside the trailer that advises of the state of fill of the tank. In addition it must have a light and audible alert system to alert users of the trailer that the system is seventy five percent (75%) full before it reaches maximum capacity. This is to prevent the back up of waste water into the sinks, and on to the trailer floor.

AIR CONDITIONING:

The proposer will have to engineer, design, fabricate, and install the appropriate air conditioning system for this trailer for use in South Florida Tropical Climate. The A/C system must be designed to be used when the trailer is being towed and under generator power

The proposer will need to run all appropriate heat load calculations to design and deliver an appropriately sized A/C system. The proposer will need to purchase and install the number of roof top Dometic brand "Highly Recommended", air conditioners required to draw down and maintain a temperature of 72 degrees Fahrenheit inside the trailer at all times within 30 minutes of initial start-up of the A/C system. The heat load

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Miami-Dade County, Florida

EPP RFP No. 00203

calculation need to be done with the assumption of all lights on, all machines running all cages full of dogs creating heat inside the trailer and no less than 110 degree ambient temperature.

ELECTRICAL SYSTEM:

The proposer will need to engineer, design, and provide a complete electrical system to power the complete trailer at full electrical load. The design of this system must have no less than a 15 % spare capacity. All electrical wiring (12V, 24V, 110V and 220V) in the body of the trailer is to be encased in appropriately rated and sized electrical conduit tubing and switch boxes for ease of electrical cable replacement if required "Highly Recommended".

In the design and use of the electrical system and powered items being supplied with the trailer, the proposer must take into consideration the use of gases cited in these specifications and typical for this vocation that may create an oxygen enriched environment and/or fire hazard(s). Additionally the use of chemicals that may also create fire hazard(s).

This system must be capable of being completely powered by the below two different formats.

1. Onan on board diesel generator "Highly Recommended" capable of operating no less than 12 hours without refueling at full load. The generator must have safety protection features and alarms installed to prevent inadvertent catastrophic loss of the generator (low oil pressure, overheating, low coolant, etc). The generator is to be installed in the gooseneck area on the passenger side. The generator area of the gooseneck to be completely isolated from the remaining portion of the gooseneck area to be used for storage and mounting of equipment. This area is also to be properly insulated to prevent heat transfer into the gooseneck storage and mounting area cited above. The fuel filler neck is to be on the driver's side of the trailer. The complete exhaust system piping is to be fully insulated to prevent employees and/or patrons from touching the exhaust and injuring themselves.
 - The generator must be easy to service on all sides and if mounted inside the trailer body, it must be mounted on a slide out tray.
 - Proposer will need to provide and install a separate fuel water separator that is easily viewable and can be drained of water and sediments between the generator and the fuel tank.
 - Proposer will need to calculate fuel consumption rate and provide correct tank size to meet the run time requirement. This fuel tank must be equipped with an easy to read fuel gauge.
 - Proposer will also need to provide the correctly sized AGM or gel cell "Highly Recommended" starting battery or batteries for the generator and it or they must be installed so as not to be exposed to the elements in a battery box, as well as protected from theft.
 - This generator must be designed to be used while the trailer is being towed.
2. Shore power thru the use of proposer supplied power cord(s). The cord(s) need to be no less than fifty feet (50) feet long.

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Miami-Dade County, Florida

EPP RFP No. 00203

The proposer will need to provide a switch box of sufficient size capable of switching the electrical system from shore power to onboard generator power.

The proposer will need to provide a central circuit breaker panel for all 110V or 220V circuits. All circuits must be properly sized for the electrical load and be protected by resettable circuit breaker. This panel must have no less than four (4) spare circuits available for future expansion if needed by the County.

The proposer will provide and install no less than eight (8) GFCI electrical outlets.

- Two (2) duplex outlets one towards the front and one toward the rear of the trailer will be installed on the left side of the trailer counter sunk into the body of the trailer with a water proof cover.
- Two (2) duplex outlets one towards the front and one toward the rear of the trailer will be installed on the right side of the trailer counter sunk into the body of the trailer with a water proof cover.
- Two (2) duplex outlets one towards the front and one toward the rear of the trailer will be installed on where possible on the inside of the trailer counter sunk into the body of the trailer with a water proof cover.

The proposer will provide the sufficient number of LED lighting fixtures capable of fully lighting the interior of the trailer without any dark spots. Two (2) switches to turn on and off the interior light(s) for this trailer are to be provided. One switch is to be located as close as possible to the rear of the trailer and be countersunk into the body and the second switch is to be located by the side door and also be counter sunk into the body.

The proposer must also provide a central circuit breaker panel for all 12V and 24V circuits in the trailer. All circuits must be properly sized for the electrical load and be protected by resettable circuit breaker. This panel must have no less than four (4) spare circuits available for future expansion if needed by the County.

In addition, the proposer will provide LED 12 volt lighting for the inside of the trailer to allow for lighting of the completer interior in case of a generator failure

The proposer will provide and install four (4) Fire Research Corporation Spectra LED surface mounted scene light heads. These light heads are to be of the highest lumens possible and be the 12/24 volt powered style. They are to be installed counter sunk into the body provide a flush mount look and deliver the greatest amount of lighting possible to the scene around the trailer. Two are to be installed towards the front of the trailer on the left and right side of the trailer. The remaining two are to be installed toward the rear left and right side of the trailer. A switch counter sunk into the outside of the body is to be provided to activate these lights. The switch is to be covered by a water proof cover.

The proposer is to provide and install the appropriate number of 12V exhaust fans needed to evacuate heat from inside the body if so desired. The system must be capable of being used when the trailer is being towed.

The proposer is to engineer, design, and provide a battery bank system capable of operating all 12V and 24V systems installed in the trailer for no less than 3 hours. The batteries for this system are to be AGM or gel type batteries "Highly Recommended". The batteries must be easily accessible or be mounted on a slide out tray for ease of servicing or replacing. This system must capable of being recharged by an

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Miami-Dade County, Florida

EPP RFP No. 00203

onboard battery charger to be provided by the proposer when the trailer is powered by the generator or shore power.

The side or roof of the trailer is also to have vents that will allow for proper ventilation of the trailer when being towed or not in use. The vent(s) must be screened to prevent bugs and or animals from entering into the trailer. These vents must be of the type and design which can be left opened if so desired and no rain can enter the vehicle if they are left open. Final configuration and placement of vents will be determined at the pre-construction conference.

WARNING SYSTEM:

The proposer is to engineer, design, and provide a warning system for this trailer. This warning system is to provide both a highly visual warning thru the use of yellow color LED lighting and audible warning. These warning systems must be seen and heard even when the trailer is in tow.

At a minimum the trailer must have the following:

- Carbon monoxide
- Fuel vapors
- Loss of generator power and/or shutdown
- Loss of shore power to the trailer
- High temperature present inside the trailer when the A/C unit is in use.
- Smoke and fire in any portion of the trailer including gooseneck area.