

**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 – \_\_\_\_\_   
 LIVING WAGE APPLIES:  YES  NO

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

Requisition /Project Title:

Description:

Issuing Department:    
 Contact Person:    
 Phone:   
 Estimate Cost/Value:    
 GENERAL    FEDERAL    OTHER  
 Funding Source:        

**ANALYSIS**

<b>Commodity Codes:</b>	<input type="text" value="98872"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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.					
	<b><u>EXISTING</u></b>	<b><u>2<sup>ND</sup> YEAR</u></b>	<b><u>3<sup>RD</sup> YEAR</u></b>		
<b>Contractor:</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<b>Small Business Enterprise:</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<b>Contract Value:</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<b>Comments:</b>	<input type="text" value="FB-01090 This service was not awarded."/>				
Continued on another page (s): <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					

**RECOMMENDATIONS**

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
<b>SBE</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Basis of Recommendation:</b> <input type="text"/>				
Signed: <input type="text" value="Margarita Velazquez"/>		Date sent to SBD: <input type="text" value="1/27/2023"/>		
		Date returned to SPD: <input type="text"/>		

## **SECTION 2**

### **ADDITIONAL/SPECIAL TERMS AND CONDITIONS**

#### **2.1 PURPOSE**

The purpose of this solicitation is to establish a contract to purchase professional aerial larvicide application services for the control of mosquitoes using a rotary aircraft for Miami-Dade County.

#### **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 Strategic Procurement Department. The contract shall expire on the last day of the five-year term.

#### **2.3 METHOD OF AWARD**

Award will be made to the lowest priced responsive, responsible Bidder. In order to be considered for award, Bidders are to provide pricing for all items. A "take off" is defined as the phase in which an aircraft goes through a transition from moving along the ground to flying in the air to fulfill an aerial spraying operation. Failure to provide pricing for all items may result in the bid being rejected for that group. In situations where a Bidder wishes to provide the service at no cost to the County, zero (0) must be reflected on the appropriate pricing line for that item.

#### **2.4 PRICES**

The prices quoted shall be deemed to provide full compensation to the Awarded Bidder for labor, equipment use, transportation costs, travel time, and any other element of cost or price. The prices shall remain firm and fixed for the term of the contract. Bidder(s) shall also provide pricing for each take off for operation from the sites listed on Section 3.3 of this solicitation.

#### **2.5 QUALIFICATION CRITERIA**

Bidders must meet the following requirements to be considered for award:

**2.5.1** Bidder(s) must provide two (2) reference letters or reference emails from government agencies demonstrating their experience providing aerial spraying services for mosquito control (Non-Agricultural), within the past five years. The references shall contain at minimum the company name, and the contact person's name, title, telephone number, and email address, who can verify that the Bidder/key personnel/Subcontractor has successfully provided aerial spraying services for mosquito control (Non-Agricultural). The County shall be able to ascertain from these references to its satisfaction that the Bidder has sufficient experience in providing aerial spraying services relevant to this solicitation. Reference letters or reference emails shall be provided with the Bidder's submittal. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21.

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2.5.2 Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as a commercial pesticide applicator in the State of Florida. A copy of the license shall be provided with the Bidder's submittal.

2.5.3 Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as a public health applicator by the State of Florida. A copy of the license shall be provided with the Bidder's submittal.

2.5.4 Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as an aerial applicator in the State of Florida. A copy of the license shall be provided with the Bidder's submittal.

2.5.5 The Bidder(s) shall provide the contact information of a designated representative to provide the County with support and information concerning aerial spray missions. Bidder(s) shall provide the representative's name, phone number, and email address.

**2.6 ADDITIONAL SERVICES**

During the term of this contract, the County may require additional services. In those instances, the County may at its discretion, issue a request for pricing to the Awarded Bidder(s) of the applicable group(s). If the pricing is determined to be fair and reasonable, the services may be added to the contract. If the County determines that the prices submitted by the Awarded Bidder are neither fair nor reasonable, the County reserves the right to negotiate pricing or purchase services through a separate solicitation.

**2.8 LIQUIDATED DAMAGES FOR INCOMPLETE PROJECTS**

The Awarded Bidder's failure to perform an assigned task may have a deleterious effect on the wellbeing of the residents of Miami-Dade County. For this reason, failure to perform an assigned task in accordance with Contract and to the satisfaction of the County within the time stated may cause the Awarded Bidder to be subject to charges for liquidated damages, per the schedule listed below for each failure to perform. The County shall have the right to deduct the said liquidated damages from any amount due, or that may become due to the Awarded Bidder under this Contract, or to invoice the Awarded Bidder for such damages if the costs incurred exceed the amount due to the Awarded Bidder.

- Failure to appear \$2,000 per occurrence
- Failure to spray the designated target area \$2,000 per occurrence  
per the County's representative
- Failure to apply the insecticide according to label directions \$2,000 per occurrence
- Failure to spray for any other unexplained reason \$2,000 per occurrence

2.9 **INDEMNIFICATION AND INSURANCE (10) – AIR TRANSPORTATION CHARTER SERVICES**

Commented [VM(1)]: Will check with Risk for Insurance

The following clause will replace Section 1.22(A)(2) of the General Terms and Conditions:

Aircraft Liability including passenger liability, in an amount not less than \$5,000,000 combined single limit per occurrence for bodily injury and property damage. Miami-Dade County must be shown as an additional insured with respect to this coverage. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**

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### **SECTION 3**

#### **SCOPE OF WORK/TECHNICAL SPECIFICATIONS**

##### **3.1 SCOPE OF WORK**

Work will include, but is not limited to, aerial larviciding (liquid) applications for the control of mosquitoes in Miami-Dade County via rotary wing aircraft. Services performed shall be delivered upon request by the County, when surveillance data indicates aerial control measures are needed to combat high numbers of pestiferous and/or vector mosquito populations. All services shall be performed in compliance with Chapter 388 of the Florida Statutes for Mosquito Control / Public Health, and in accordance with all applicable local and federal regulations and laws.

The County strives to treat areas quickly when mosquito breeding is identified or when viruses are detected; a quick response is crucial to ensuring the virus source is eradicated to prevent outbreaks of arboviral diseases. Given that the County currently does not have means to conduct aerial larviciding with its own resources, Miami-Dade County is seeking the services of a qualified contractor to be able to perform aerial larvicide application efforts.

Historically the County treats over ~~70,000~~50,000 acres to help manage mosquito populations in and around permeant water habitats and marshlands. Although larviciding operations can be done with a fixed wing aircraft, the County is requiring a rotary aircraft to do aerial larviciding. A rotary aircraft has the advantage of making more precise applications by maintaining low flying altitude (200-250 feet). Larviciding applications will be proactive and will need ground –proofing for presence of immature mosquito stages, therefore, requested call out time is 48 hours. This service we are requesting won't be an ULV application but instead a granular application.

The Awarded Bidder(s) shall provide all labor, materials, equipment, insurance, and any other requirements to provide Federal Aviation Administration (FAA) approved aircraft, equipped for pesticide application, per the specifications herein. Any other fees, i.e. landing and tie down fees, etc., are the responsibility of the Awarded Bidder(s).

##### **3.2 GOODS/SERVICES TO BE PROVIDED**

The services performed by the proposer shall follow applicable rules and regulations with regards to both safety and environmental protection. Aerial larvicide treatments will minimize residential impacts to the maximum extent practicable per a defined quality assurance plan that addresses items such as noise level, flying behavior, staying within the target treatment areas, and minimizing overspray, etc.

###### **Requirements:**

Include the following, but not limited to.

1. Federal Aviation Administration (FAA) commercial pilot license for a rotary helicopter.
2. Florida Department of Agriculture and Consumer Services Aerial Applicators License
3. Aircraft must meet all applicable FAA Regulations.

4. Aircraft must be equipped with Flight Guidance Global Positioning Satellite System designed for aerial spray applications.
5. Aircraft must be equipped with granular spray systems.
6. 48-hour Response time from notification of need for services, weather permitting.
7. Contractor will furnish aircraft, fuel, oil, aerial assist (ground) crew, loading of personnel/equipment, and liability and workman's compensation insurance
8. Contractor ground crew will be responsible for coordinating suitable landing zones.
9. Application of Natular G and G30, Vectobac, Vectolex, Vectomax, Vectoprime, Altosid SBGII & XRG, & Metalarv S- PT larvicides. The use and application rate per acre will be determined by the Miami-Dade Mosquito Control. The County will provide the larvicide, including applicable chemical Safety Data Sheet (SDS), and maps of treatment areas. The Contractor is required to have the SDS with them while operating in the field.
10. Transport, handling, mixing, loading, and clean-up of larvicide and fuel shall be handled by the Contractor and done in accordance with all applicable local, state, and federal rules and regulations. Miami-Dade Supervisor will transfer bags of larvicide on pallettes to the vendor's personnel at the Miami-Dade Mosquito Control location at 8901 NW 58th Street, Miami, FL 77178 prior to treatment. All unused larvicide will be returned by the vendor to Miami-Dade Mosquito Control for storage by transporting pallettes with bags of unused larvicide back to the Miami-Dade Mosquito Control location at 8901 NW 58th Street, Miami, FL 77178. Unused larvicide will be returned before 3 pm the same day unless coordinated otherwise and will be checked back into stock by Miami-Dade Mosquito Control Supervisor.
11. Larvicide application and other equipment shall be inspected, cleaned, and maintained by the Contractor at the appropriate intervals.
12. All personnel involved in the handling and application of larvicide shall be appropriately trained, and the Contractor is required to submit evidence of proper certification of all personnel and copies of local, state, and/or federal permits to the COUNTY.
14. Submit Quality Assurance Plan for Approval by County

**DELIVERABLES:**

Deliverables required (within 48 hours) after each flight include the following, but not limited to:

1. Copy of Congested Area Flight Plan

2. Copy of Flight Logs
3. Copy of calibration logs for each chemical used
4. Electronic GIS Aerial map tracking of treatment sites (IE FieldSeeker or TracMap)
5. Report (signed by person authorized to bind the company) indicating that the chemical was applied only over the area designated by Miami-Dade Mosquito Control (as shown in the map titled Attachment No. 1) the amount of chemical dispersed to show conformity with what was authorized, and the date and time the application was made.

Commented [VM(2)]: Please provide map

### 3.3 AVAILABILITY

The Awarded Bidder(s) must be available for contact between the hours of 7:30 AM and 5:00 PM seven (7) days per week. The Awarded Bidder(s) shall contact the Miami-Dade County Department of Solid Waste Management's Mosquito Control Division within ~~ninety~~ <sup>90</sup> minutes of the County's first attempt for notification of an aerial spray mission. The aircraft must be operational and available for aerial spraying within ~~six (6)~~ <sup>forty-eight (48)</sup> hours of notification; unless otherwise indicated by the County. The primary airport used for aerial spray operations is Miami Executive Airport; however, other airports may be used when necessary, such as Homestead General Aviation Airport and Opa-Locka Executive Airport.

Commented [VM(3)]: This section was a concern for the vendors. Should this be removed or altered?

### 3.4 AERIAL TREATMENT FOR LARVAL MOSQUITOS

1. Aerial larviciding treatments shall be conducted via low-flying aircraft during daytime hours.
2. Applications will be conducted utilizing ~~liquid~~ larvicide formulations provided by the County. All aircraft used to complete work will be equipped with airflow driven atomizers such as Micronair AU5000 for the dispersal of insecticides.
3. The aircraft provided must be capable of transporting a minimum of 100 gallons of insecticide.

### 3.5 PILOTS

All pilots employed by the Awarded Bidder(s) shall maintain all certifications required by the FAA and as described in Chapter 388 F.S. and F.A.C. 5E-13 for aerial Public Health Pest Control. Awarded Bidder may be required to provide written proof of current certifications for all pilots who provide services under this contract.

### 3.6 AIRCRAFT

1. Awarded Bidder(s) shall ensure that any aircraft used to dispense or apply insecticide during the term of this contract is registered annually with the Florida Department of Agriculture and Consumer Services (FDACS).
2. Aircraft shall also be secured when not in use to prevent or deter theft or unauthorized use.
3. All aircraft must be in excellent condition with a current Air Worthiness Certificate and Federal Aviation Administration Certification.

4. All aircraft shall be licensed to operate over congested areas following all FAA rules and regulations throughout the contract term.

### **3.7 PERSONNEL**

1. Pilot and Ground Crew must all be familiar with and understand the work order and pesticide label, including any application restrictions and precautions. Awarded Bidder(s) staff are responsible for ensuring the application is conducted safely, correctly, legally, according to the label and state and federal regulations.
2. Awarded Bidder(s) staff involved in the transportation, mixing, loading, and application of insecticides during the term of this contract must hold valid public health certifications from FDACS.
3. All persons performing work under this contract shall wear appropriate Personal Protective Equipment (PPE), as prescribed by product labeling and Safety Data Sheets (SDSs). The Awarded Bidder(s) shall observe all safety precautions throughout the performance of this contract. Where there is a conflict between regulations, the most stringent shall apply.
4. The pilot(s) shall determine any and all hazards, and locate and avoid navigation hazards.

### **3.8 EMPLOYEE SUPERVISION**

The Awarded Bidder is responsible for all supervision of his/her employees and for establishing a quality control program that will ensure that all work is completed according to the specifications before that work is submitted to the County for inspection. Any delays, costs, or rejected work that results from the Bidder submitting work that is in any way incomplete or unsatisfactory are the sole responsibility of the Bidder.

### **3.9 REPORTING**

Calibrated Global Positioning Satellite (GPS) will be used to generate aerial spray mission reports. A copy of each aerial spray mission report will be submitted within forty-eight hours of each spray mission. Reports must contain the following information:

1. Name, FDACS pesticide applicator license number, and FAA license number of the licensee responsible for the application;
2. Date, start time and end time of treatment;
3. Location of treatment site, which may be recorded using any of the following designations:
  - a. County, range, township and section;
  - b. An identification system using maps and/or written descriptions that accurately identify the location and distinguish the treatment site from other sites;
  - c. The legal property description; or
  - d. GPS coordinates or longitude/latitude points that delineate the treated area.
4. Name of the person requesting or authorizing the application;
5. Aircraft manufacturer, make and model;



6. FAA aircraft number;
7. Originating airport or airstrip;
8. Spray altitude;
9. Ground wind speed and direction;
10. Temperature;
11. Insecticide used;
12. Insecticide application rate;
13. Amount of insecticide used; and
14. Number of acres sprayed.

The above information must be maintained for a period of two years from the application date in a manner that is accessible by FDACS and the County upon request. Additional information may be requested as needed.

### **3.10 COMPLIANCE / REGULATIONS / SAFETY**

#### **a. Legal Requirement for Pollution Control**

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, through Regulatory and Economic Resources Department, 33 SW 2nd Avenue, Miami, Florida 33130, Telephone (305) 372-6789.

#### **b. Accident Prevention, Barricades and Safety**

Precautions shall be exercised at all times for the protection of persons and property. Awarded Bidder(s) performing services under this contract shall conform to all relevant Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), State and County regulations during the course of such effort. Any fines levied by the above mentioned authorities for failure to comply with these requirements shall be borne solely by the Awarded Bidder. Barricades shall be provided by the Awarded Bidder when work is performed in areas traversed by persons, or when deemed necessary by the County.

Awarded Bidder(s) agree to perform all work in a manner that meets all accepted standards for safe practice, and to safely maintain and operate all the equipment used in the performance of this contract. The County, reserves the right to issue immediate restraint or cease and desist orders to an Awarded Bidder, when unsafe or harmful acts are observed or reported while performing under the contract. Hazardous conditions shall be immediately reported to the County.

**SECTION 4**

**BID SUBMITTAL REQUIRED CRITERIA**

<b>TO BE COMPLETED BY ALL BIDDERS</b>		
Refer to Paragraph 2.5 to ensure that Bidder's responses and attachments comply with the Solicitation's requirements.		
<b>Paragraph Reference</b>	<b>Bidder Requirements</b>	
2.5.1	Bidder(s) must provide two (2) reference letters or reference emails from government agencies demonstrating their experience providing aerial spraying services for mosquito control (Non-Agricultural), within the past five years. The references shall contain at minimum the company name, and the contact person's name, title, telephone number, and email address, who can verify that the Bidder/key personnel/Subcontractor has successfully provided aerial spraying services for mosquito control (Non-Agricultural). The County shall be able to ascertain from these references to its satisfaction that the Bidder has sufficient experience in providing aerial spraying services relevant to this solicitation. Reference letters or reference emails shall be provided with the Bidder's submittal. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21.	<input type="checkbox"/>
2.5.2	Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as a commercial pesticide applicator in the State of Florida. A copy of the license shall be provided with the Bidder's submittal.	<input type="checkbox"/>
2.5.3	Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as a public health applicator by the State of Florida. A copy of the license shall be provided with the Bidder's submittal.	<input type="checkbox"/>
2.5.4	Bidder(s) must have at least one (1) employee (direct hire or subcontracted) licensed as an aerial applicator in the State of Florida. A copy of the license shall be provided with the Bidder's submittal.	<input type="checkbox"/>
2.5.5	The Bidder(s) shall provide the contact information of a designated representative to provide the County with support and information concerning aerial spray missions. Bidder(s) shall provide the representative's name, phone number, and email address.	<input type="checkbox"/>

**SECTION 5**  
**BID SUBMITTAL FORM**

FIRM NAME: \_\_\_\_\_

**5.1 PRICING**

Aerial Spraying for Larval Mosquito Control by Rotary Aircraft				
Item No.	Estimated Quantity (annually)	Type of Aircraft	Description	Unit Price \$/per acre
1	175,000 acres and above	Rotary Aircraft	Cost of Aerial Larviciding as Specified in Requirements	
2	Up to 9,000 acres	Rotary Aircraft	Cost of Aerial Larviciding as Specified in Requirements	
3	Up to 2000 acres	Rotary Aircraft	Cost of Aerial Larviciding as Specified in Requirements	

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