

ISSUING DEPARTMENT INPUT DOCUMENT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

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

Re-Bid
 Other – Access of Other Entity Contract
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: RQSW2000001
 TERM OF CONTRACT 1 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: Mosquito Control Research Collaboration

Description: The purpose of this project is to strengthen the development of scientific projects specifically designed to provide strategic support to improve and guide mosquito control operations and policies, therefore, protecting residents and tourists in Miami.

Issuing Department: ISD-SPD
 Contact Person: Jonathan Desverguñat
 Phone: 305-375-5312

Estimate Cost: \$195,354

Funding Source:
 GENERAL
 FEDERAL
 OTHER

X

ANALYSIS

Commodity Codes: 956-05

Contract/Project History of previous purchases three (3) years
 Check here 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: Bid Waiver - No Measures

Signed: Jonathan Desverguñat
 Date sent to SBD: 12/3/2019

Date returned to SPD:

“EXHIBIT A”

Proposed Plan of “University of Miami - Miami-Dade Mosquito Control County Collaboration for Operational Mosquito Surveillance and Control”

Partnership: Our goal is to strengthen the existing partnership between Miami-Dade Mosquito Control Division and the University of Miami in the development of scientific projects specifically designed to provide strategic support to improve and guide mosquito control operations and policies, therefore, protecting residents and tourists in Miami.

Objectives: (i) provide science-driven evidence-based support to mosquito control operations and improve policies and guidelines; (ii) build capacity and contribute to Center of Excellence credibility to Miami-Dade Mosquito Control Division; and (iii) increase public education and develop improved public relations.

Task 1: Conduct collaborative research on mosquito biology and control

Collaborative research will build upon on-going efforts to address 10 key questions which are essential for Miami-Dade Mosquito Control Division. Efforts will involve close coordination, planning, and field and lab work with the Mosquito Control leadership and staff. Outcomes will include collaboratively-developed internal reports, presentations, and joint publications.

Question 1 - Where can the highest concentrations of vector mosquitoes be found in different parts of neighborhoods of Miami?

Question 2 How do mosquitoes adjust their ecology and behavior so they can thrive in different neighborhoods?

Question 3 - To what extent is the local movement of mosquitoes responsible for their high numbers in specific parts of neighborhoods of Miami?

Results will provide the Mosquito Control Division with fundamental field-based scientific evidence on when, where, and why to target and control vector species, and to understand and manage potential new threats.

Question 4 - Are invasive mosquitoes becoming a problem in urban environments of Miami?

Question 5 - How are historically less important mosquito species changing their behavior and becoming more common?

Question 6 - Are invasive mosquitoes and other now common species becoming more of a threat as vectors of disease in Miami?

Profiles of the basic ecology and behavior for mosquito species will clarify their potential importance as vectors and improve the understanding of the ecology and behavior of invasive and neglected species providing valuable information for assessing current and future risks.

Question 7 - How effective are different types of mosquito control methods in different neighborhoods?

Question 8 – What are the levels of insecticide resistance in local vector populations and how can this evidence improve mosquito control operations?

Question 9 - What is the effectiveness of mosquito control around houses where suspected and confirmed human cases of mosquito-borne diseases have occurred?

Question 10 - What local environmental resources in each neighborhood support mosquito survival?

Results will provide the Mosquito Control Division with rigorous scientific evaluations of their control operations and continuous guidance on the longer-term development of novel sustainable preventative mosquito control strategies.

Task 2: Build capacity through training and mentoring

As needed, group training sessions and individual mentoring will be provided on field and laboratory methodology, data management, and reporting. Assistance will be provided in setting up and operating a laboratory at the Mosquito Control Division.

Task 3: Contribute to public education and public relations

As needed, assistance will be provided to the public education and outreach program. This will include assistance with public events, educational materials, and guidance in better messaging to the public. Steps will be taken to assist with public relations activities and press releases.

Task 4: Drafting and submitting final report

A final report will be drafted and submitted. The report will reflect the full range and outcomes of the collaboration.

Exhibit B

University of Miami shall provide the following services and deliverables to Sponsor:

Quarter	Services	Deliverables
First (October 1 – December 31)	1) Monthly planning and evaluation strategic meetings with Sponsor’s Mosquito Control leadership; 2) Guiding and supporting collaborative research fieldwork operations on mosquito biology and control; 3) Presenting monthly scientific and operational presentations to Sponsor aimed to increase capacity of the Sponsor’s mosquito control program; and 4) Contributing to public education and public relations to help Sponsor increase outreach impacts.	First summary report highlighting results over the 3-month period.
Second (January 1 – March 31)	1) Monthly planning and evaluation strategic meetings with Sponsor’s Mosquito Control leadership; 2) Guiding and supporting collaborative research fieldwork operations on mosquito biology and control; 3) Presenting monthly scientific and operational presentations to Sponsor aimed to increase capacity of the Sponsor’s mosquito control program; and 4) Contributing to public education and public relations to help Sponsor increase outreach impacts.	Second summary report highlighting results over the 3-month period.
Third (April 1 – June 29)	1) Monthly planning and evaluation strategic meetings with Sponsor’s Mosquito Control leadership; 2) Guiding and supporting collaborative research fieldwork operations on mosquito biology and control; 3) Presenting monthly scientific and operational presentations to Sponsor aimed to increase capacity of the Sponsor’s mosquito control program; and 4) Contributing to public education and public relations to help Sponsor increase outreach impacts.	Third summary report highlighting results over the 3-month period.
Fourth (July 1 – September 31)	1) Monthly planning and evaluation strategic meetings with Sponsor’s Mosquito Control leadership; 2) Guiding and supporting collaborative research fieldwork operations on mosquito biology and control; 3) Presenting monthly scientific and operational presentations to Sponsor aimed to increase capacity of the Sponsor’s mosquito control program; and 4) Contributing to public education and public relations to help Sponsor increase outreach impacts.	Draft and submit final report