

**DESCRIPTION OF INTENDED  
SINGLE SOURCE PURCHASE  
(PUR 7776)**

AGENCY: Florida Department of Law Enforcement (FDLE)

TITLE: STRmix Software Updates and Training

Short description of the commodity or service desired: Ongoing upgrade for STRmix software and training

CONTACT:

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Internal tracking number, if any: SS1936

**Date posted: May 13, 2019**

**Last day for receipt of information: May 22, 2019**

This description of commodities or contractual services intended for purchase from a single source is posted in accordance with sections 120.57(3) and 287.057(3), Florida Statutes and will remain posted for a period of at least 7 business days.

Commodity or Contractual Service Required (commodity or United National Standard Products and Services Code (UNSPSC), manufacturer, model, and description, as appropriate):

43232605 Analytical or Scientific Software

86101800 In Service Training and Manpower Development

Quantity or Term (as appropriate):

7/1/19-6/30/20

Requestor (division, bureau, office, individual, as appropriate):

FDLE / IFS

Performance and/or Design Requirements (e.g.. intended use, function or application, compatibility, requirements; reference to policy, rule, statute or other act of the Legislature, etc., as appropriate):

The forensic DNA program requires many processes and instruments to be able to complete the DNA testing required by F.S. 943.04 and 943.325, as support to law enforcement agencies as well as by FBI national standards to be able to participate in CODIS (DNA database searching). To ensure the best possible interpretation of the results are performed, software capable of modelling the data produced to then aid in the interpretation of said data is required to improve the reportable results that help solve cases.

The STRmix™ is a software package deployed by the FDLE crime labs that utilizes probabilistic genotyping, which is a DNA interpretation solution that heavily utilizes math to create a model of how DNA results could look, specifically, in a laboratory based on their instrumentation. FDLE technicians then use that model to look critically at DNA results from evidence samples. DNA mixture interpretation has been a highly contested subject in courts of law and probabilistic genotyping is the forensic application answer to the problem.

Intended Single Source:

NicheVision Forensics LLC  
526 S Main St Suite 714G  
Akron, OH 44311

Estimated Dollar Amount:

\$91,000.00

Justification for single source acquisition (what is necessary and unique about the product, service or source; steps taken to confirm unavailability of competition, as appropriate):

In December 2015, the Florida Department of Law Enforcement (FDLE) contracted with NicheVision in response to the FDLE's Request for Proposal (RFP) 1606. This contract established a Probabilistic Genotyping Software platform that is now implemented in the FDLE Regional Crime Labs. FDLE must now procure additional licenses of the STRmix™ probabilistic genotyping software to include annual upgrades and training.

The STRmix™ software required extensive calibration of the scientific instruments already in use to ensure accurate parameters were set and validated to be used for casework.

NicheVision Forensics LLC is the only authorized vendor in the United States for the STRmix™ software platform. The software is proprietary and as such, licenses, annual upgrades and training are not available from any other source or vendor.

Approved By (names & titles, as appropriate, e.g., requestor, requestor management, information systems, budget, purchasing):

Sonya Avant, Chief of General Services  
David Coffman, Forensic Services Director

Prospective vendors are requested to provide information regarding their ability to supply the commodities or contractual services described. If it is determined in writing by the agency, after reviewing any information received from prospective vendors, that the commodities or contractual services are available only from a single source, the agency shall: provide notice of its intended decision to enter a single-source purchase contract in the manner specified in s.120.57(3), F.S.