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PROCURING DIV  
BUDGET/FISCAL SVCS  
OFFICE OF HONOLULU



### DEPARTMENT OF BUDGET AND FISCAL SERVICES NOTICE & REQUEST FOR SOLE SOURCE

TO: Chief Procurement Officer  
FROM: Scientific Investigation Section, Honolulu Police Department  
Department/Division/Agency

Pursuant to HRS §103D-306 and HAR Chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Description of goods, services, or construction to be procured:  
This is a Full Spectrum Imaging System (FSIS) with an integrated camera and dedicated computer with software to capture and process images. It includes installation and two days of on-site training.

2. Vendor/Contractor/Service Provider Name: Arrowhead Forensics	3. Amount of Request: \$ 51,090.50
4. Term of Contract: (Shall not exceed 12 months), if applicable From: 09-09-15 To: 04-30-16	5. Prior Sole Source Ref No.

6. The good, service, or construction has the following unique features, characteristics, or capabilities:  
The FSIS camera has a range of sensitivity from shortwave ultraviolet (UV) through infrared (IR) illumination or 254 nm to 1100 nm. Most lighting systems operate in the visible light spectrum (380 nm to 700 nm) and do not provide true UV or IR illumination. The 254 nm to 1100 nm illumination range is essential for the nondestructive visualization and capture of latent prints, gunshot residue (GSR), and document examination. Arrowhead's proprietary paint-by-light image-capturing software features multi-frame integration which allows the capturing of latent print images on curved surfaces in a single file. Competing systems require the capture of multiple image files which are then stitched together.

7. How the unique features, characteristics, or capabilities of the goods, service or construction are essential for the agency?  
The patented multi-frame integration feature of the live view image-capturing software allows the user to set exposure and brightness levels before capturing the image in a single file. This greatly enhances the ease of use and efficiency compared to systems that achieve this result by capturing multiple images and having the user piece them together in image editing software. This system will increase the efficiency of our sequential fingerprint processing workflow that currently requires the set up of various light sources and cameras for the nondestructive visual examination of evidence.

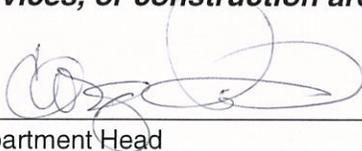
8. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services, or construction.  
 (Arrowhead Forensics and SPEX Forensics)  
 Only two vendors provide an imaging system capable of utilizing the full spectrum of light. This was determined through internet searches, attendance at product shows at national conferences, and communications with other laboratories.

9. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the agency needs.  
 SPEX Forensics provides a comparable FSIS system. However, the SPEX ImaQuest software is not capable of multi-frame integration and is more suited for a latent fingerprint examiner who would be conducting a side-by-side comparison of fingerprint minutiae. Our crime scene unit evidence specialists would have little use for this component of the ImaQuest software as they are not qualified latent print examiners, and their expertise is in fingerprint development and recovery, not comparison.

10. <b>Person that will be responsible for managing this procurement:</b> Department/Division: Scientific Investigation Section  Contact Name/Title: Alicia Kvalheim, Evidence Specialist	Phone Number: 808-723-3037  E-mail Address: akvalheim@honolulu.gov
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Department shall ensure adherence to applicable administrative and statutory requirements, including HAR Chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

***I certify that to the best of my knowledge, that the information provided above is true, correct, that there is no conflict of interest related to this procurement, and that the goods, services, or construction are available through only one source.***



2-1-16

Department Head

Date

**Reserved for BFS Use Only**

Date Notice Posted: \_\_\_\_\_

Submit written objections to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from the above posted date to:

Chief Procurement Officer  
 Department of Budget and Fiscal Services  
 530 South King Street, Room 115  
 Honolulu, Hawaii 96813  
[bfs purchasing@honolulu.gov](mailto:bfs purchasing@honolulu.gov)

Chief Procurement Officer's comments:

REQUEST FOR SOLE SOURCE (Cont.)

*Submit in Duplicate*

APPROVED    DISAPPROVED    NO ACTION REQUIRED

\_\_\_\_\_

Chief Procurement Officer

\_\_\_\_\_

Date