



County of Santa Cruz

Sheriff-Coroner

701 Ocean Street, Suite 340, Santa Cruz, CA 95060
(831) 454-2440 FAX: (831) 454-2353

Mark Tracy
Sheriff-Coroner

February 25, 2002

Agenda: May 7, 2002

Board of Supervisors
County of Santa Cruz
701 Ocean Street, Room 500
Santa Cruz, California 95060

RE: COMPUTER CRIME FORENSIC LAB EQUIPMENT

Dear Members of the Board:

The Sheriff's Office has identified the need to purchase new equipment for our Hi-Tech Crime Division. This letter is intended to provide your Board with detailed information regarding the identified equipment and request approval for the purchase of the related fixed assets to improve and upgrade the Sheriff's Office Computer Crime Forensic Lab.

The Sheriff's Office needs to purchase updated equipment for our Hi-Tech Crime Division. Currently, the Hi-Tech Crime Division has only one older model forensic examination machine (computer). A second more modernized unit is necessary due to the steadily increasing number of cases involving computers requiring the investigation of their hard drives, identity theft, and internet fraud leading to numerous computer systems coming into the Hi-Tech Crime Division for forensic examinations. In Fiscal Year 2000/2001 alone, **18** computer systems and laptop computers were seized, containing 23 hard disk drives, which needed to be examined by the one forensic examination machine currently operated by the Sheriff's Office. To date in fiscal year 2001/2002, approximately 32 systems have been seized, containing more than 40 hard drives. It is projected that in Fiscal Year 2002/2003, the Sheriff's Office will seize approximately 65 computer systems consisting of more than **80** hard drives requiring examination. The examination and analysis of these drives taxes the current lab computer beyond its maximum capacity and imminent failure of this antiquated system is inevitable. A second Forensic Examination machine and updated software and equipment are essential to accommodate the increasing workload and to provide vital ready backup when our older system fails. The updated software, "Encase", and hardware, "Encase FastBlock", is specifically tested and validated for use by law enforcement forensic laboratories.

Additional equipment needed to modernize our Hi-Tech Crime Division and aid in the investigative process is the purchase of a Macintosh computer operating system, monitor with Adobe Photoshop, and a Plotter printer. Many homes and businesses use Apple/Macintosh computer systems and the Sheriff's Office is investigating an increasing number of these machines for forensic examination. The operating systems of these computers are unique and cannot be examined with our current PC-based machines. The purchase of this machine will also benefit the Crime Scene Investigation Unit (CSI) who will utilize this system to run Adobe

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Photoshop software. CSI is responsible for enhancing, reproducing, enlarging, and printing all of the graphics files recovered as evidence and for subsequent courtroom presentation. The Macintosh and Adobe Photoshop are the best-suited hardware and software package to perform this specialized graphics work as putting this system into place will save countless hours of labor in graphics-related investigation. The Plotter printer is required for use with the Macintosh and Adobe Photoshop for the large format and large reproduction of photo quality graphics needed in courtroom presentations. This substantial volume of work will place a very high demand on the plotter printer requiring the purchase of a machine that is extremely durable and has a long life expectancy. The Sheriff's Office currently has no ability to do this specialized printing and must rely on expensive third-party providers. Using these outside sources also creates security and confidentiality issues which will be greatly reduced by the Sheriff's Office ability to produce these documents internally.

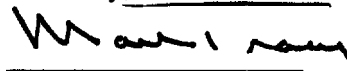
And finally, additional courtroom testimony and training presentations to a variety of law enforcement agencies and personnel are frequently required of both the Hi-Tech Crime Unit and the Crime Scene Investigation Unit. The Sheriff's Office currently has no projector available for use, which prevents optimum presentations or requires frequent rescheduling. The acquisition of a projector would insure timely and high quality presentations in its dedicated use by the investigation divisions.

In order to make these necessary purchases to improve and update our Computer Crime Forensic Lab, it will require approval from your Board. We are requesting to purchase components to build a second Forensic Examination Machine in the amount of \$4,246, "Encase" software in the amount of \$2,783, "Encase Fastblock" hardware (one for each machine at \$1,100) in the total amount of \$2,200, a Macintosh G4 system with monitor at **\$5,343**, an HP DesignJet 5000PS 42" Plotter printer at \$13,160, Adobe PhotoShop 6 software in the amount of \$715, and a ViewSonic PJ1075 projector at \$4,578. The total cost of these improvements and upgrades to the Sheriff's Office Computer Crime Forensic Lab is \$33,025. We are recommending your Board transfer funds from our Federal Asset Forfeiture Trust Fund (072251) to pay for the purchase of the above referenced equipment. There will be no financial impact on the General Fund.

It is, therefore, RECOMMENDED that your Board:

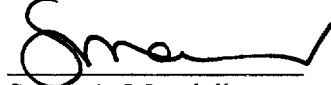
1. APPROVE the attached Resolution Accepting Unanticipated Revenue (AUD60) from Federal Asset Forfeiture Trust Fund in the amount of \$33,025;
2. AUTHORIZE the amount of \$33,025 for the purchase of various fixed assets to improve and upgrade the Sheriff's Office Computer Crime Forensic Lab.

Sincerely,



Mark Tracy
Sheriff-Coroner

Recommended:



Susan A. Mauriello
County Administrator

Attachments: AUD 60

cc/: Auditor
Sheriff-Coroner/Attn. Heather

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**BEFORE THE BOARD OF SUPERVISORS
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA**

Resolution No. _____

On the motion of Supervisor _____

duly seconded by Supervisor _____

the following resolution is adopted

RESOLUTION ACCEPTING UNANTICIPATED REVENUE

WHEREAS, the County of Santa Cruz is a recipient of funds from Federal Asset Forfeiture
Trust Fund for Computer Crime Forensic Lab Equipment program; and

WHEREAS, the County is recipient of funds in the amount of \$33,025.00 which are
either in excess of those anticipated or are not specifically set forth in the current fiscal year
budget of the County; and

WHEREAS, pursuant to Government Code Section 29130 (c) / 29064 (b), such funds may be
made available for specific appropriation by four-fifths vote of the Board of Supervisors;

NOW, THEREFORE, BE IT RESOLVED AND ORDERED that the Santa Cruz County
Auditor-Controller accept funds in the amount of _____ into
Department Sheriff-Coroner

<u>TIC</u>	<u>Index Number</u>	<u>Revenue Subobject Number</u>	<u>Account Name</u>	<u>Amount</u>
<u>001</u>	<u>661100</u>	<u>414</u>	<u>Drug Forfeiture Proceeds</u>	<u>\$33,025.00</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

and that such funds be and are hereby appropriated as follows:

<u>T/C</u>	<u>Index Number</u>	<u>Expenditure Subobject Number</u>	<u>Account Name</u>	<u>Amount</u>
<u>021</u>	<u>661400</u>	<u>8404</u>	<u>Fixed Assets</u>	<u>\$33,025.00</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

DEPARTMENT HEAD I hereby ~~certify~~ that the **fiscal** provisions have been researched and
that the Revenue(s) (has been) **(will be)** received within the current fiscal year.

By 
Department Head

Date March 5, 2002

COUNTY ADMINISTRATIVE OFFICER

/ X / Recommended to Board

/ _____ / Not recommended to Board

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz, State of California, this _____ day of _____, 20____ by the following vote (requires four-fifths vote for approval):

AYES: SUPERVISORS _____

NOES: SUPERVISORS _____

ABSENT: SUPERVISORS _____

Chairperson of the Board

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:

Date _____

Harry A. Oberhelman III
County Counsel

APPROVED AS TO ACCOUNTING DETAIL:

Date 03/06/02

K. Cray
Auditor-Controller

Distribution:

- Auditor-Controller
- County Counsel
- County Administrative Officer
- Originating Department