

MOBILE COUNTY COMMISSION

205 Government Street
 Mobile, Alabama 36644
 PO BOX 1443
 Mobile, AL 36633

BID INVITATION**NO. 118-10****AUGUST 13, 2010**

In accordance with General Act No. 217, Special Session 1967, notice is hereby given that the Mobile County Commission, Mobile, Alabama, will receive bids on the following items:

FORENSIC VIDEO IMAGE ANALYSIS AND ENHANCEMENT DESKTOP WORKSTATION FOR MOBILE COUNTY SHERIFF'S OFFICE AS PER ATTACHED SPECIFICATIONS:

Any questions or comments concerning the bid requirements must be brought to the attention of the Purchasing Agent, Susan Holland, 251-574-8613, 205 Government Street, 8th floor south, Mobile, Alabama 36644, to or at bid opening or will be forever waived.

All bidders shall furnish a five (5%) percent bid bond on any contract exceeding \$10,000: provided, that bonding is available for services, equipment or materials.

Out of State Corporations shall furnish a Certificate of Authority to transact business in the State of Alabama. Out of State limited liability companies shall proof of registration to transact business in this state.

If applicable to a contract resulting from this invitation, the successful bidder must comply with the Contractor Felony Investigation Policy, available in the Purchasing Department or at mobilecounty.org.

This inquiry is to establish a price and a source of supply for the above listed items by Mobile County Commission and the incorporated areas therein. Purchases by political subdivisions are optional with those agencies.

THE MOBILE COUNTY COMMISSION DOES NOT DISCRIMINATE ON THE BASIS OF RACE, AGE, SEX, NATIONAL ORIGIN, RELIGION, OR DISABILITIES.

F.O.B. Mobile DATE OF DELIVERY _____ TERMS _____ You are invited to bid on the above specifications. The restrictions contained herein are for the purpose of fixing a quality level, and any deviation therefrom must, in detail establish that it meets the quality requirements.

BIDS WILL BE RECEIVED UNTIL 10:00 A.M. September 8, 2010

ALL BIDS MUST BE SEALED, THE WORD "BID", THE BID NUMBER AND THE NAME OF THE ITEM MARKED ON THE OUTSIDE OF THE ENVELOPE. BIDS WILL BE RECEIVED BY THE RECEPTIONIST IN THE OFFICE OF THE COUNTY COMMISSION ADMINISTRATOR, 205 GOVERNMENT STREET ON THE EIGHTH FLOOR OF THE MOBILE COUNTY GOVERNMENT PLAZA. FAILURE TO OBSERVE THE ABOVE INSTRUCTIONS WILL CONSTITUTE GROUNDS FOR REJECTION OF YOUR BID. THE COMMISSION RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.

MOBILE COUNTY COMMISSION



 JOHN PAFENBACH, COUNTY ADMINISTRATOR

We propose to meet the above specifications for the sum
 of \$ _____.
 Delivery can be made in _____ days from receipt of award.

RESPECTFULLY

BY _____

MOBILE COUNTY COMMISSION

BID FORM

Date: _____

BID #118-10

*FORENSIC VIDEO IMAGE ANALYSIS AND ENHANCEMENT DESKTOP WORKSTATION
FOR MOBILE COUNTY SHERIFF'S OFFICE:*

Company _____

Company Representative _____

(Print)

Title _____

Company Representative _____

Signature

Address _____

Phone number () _____

Fax number () _____

Federal ID Number _____

SPECIFICATIONS FOR

A Forensic Video Image Analysis and Enhancement Desktop Workstation for Mobile County Sheriff's Office.

Forensic Video Desktop Workstation shall perform the following tasks:

- The display program for the Forensic Video needs to provide both slide show presentation and browser style presentation of the enhanced images.
- The system must use uncompressed TIFF, tagged image file format, for the capture of CCTV images frames to the hard disk. TIFF is a ubiquitous image format that all imaging programs read. The image filenames are numbered sequentially with a six digit number, i.e. 012567.tif.
- After capture, the subsequent collection of images can be culled for the elimination of images of no concern to the incident. The systems software must allow for ease of elimination of large groups of images, automatically. After culling a group of images, the remaining images are renumbered sequentially.
- The images shall be reviewable one by one with delete, forward and backward selection. After deletion, the entire image collection shall be renumbered sequentially. Deletion shall remove the raw data and all processed images resulting from the raw data image, automatically. If a processed image is deleted only that image is erased from the disk.
- The images shall be capable of being intensity lightened or darkened and contrast adjusted with re-normalization of the data for full utilization of the intensity range. Intensity adjustments also include histogram equalization for bring out information in dark regions of an image, logarithmic adjustments for bright regions in an images. The negative of an image can be viewed, useful in overlay registration of two images.
- System must be capable of converting JPEG, BMP, TIFF color image data files to TIFF color, grayscale, and monochrome red, blue and green files.
- Hard copies of the video image must be able to be written to a DVD. Roxio Media Creator or similar must be included to burn the DVD's and preparing the labels.

Software Features:

- High Frequency Digital Magnification optical quality times two, X2
 - Quad Capture De-Multiplexing
 - Digital De-Multiplexing
 - DeJitter, Deblur, Double Data Rate
-

- High Frequency Resolution Enhancement-Sharpener user adjustable
- Digital Filtering, ten frequency sensitive, low pass, high pass and boundary/contour operators
- Contrast & Brightness Adjustments
- Filename with Processing History minimal notes-a paperless approach
- Input Formats: JPEG, TIF, BMP
- Output Format: TIFF
- Conversions-Color to RGB-Y
- Monochrome processing for highest resolution
- Selectable features for processing & review
- Delete by groups, range, individual image
- Delete parent Image will automatically deletes all children
- Re-Numbering w/ Parent & children together
- Directory appending /renumbering
- Random selection of processing options
- Video Tape Authenticity by Characteristic Switch Points

The CPU must be a minimum of an Intel i7-920, 2.66 Ghz. The CPU needs to be a hyper threading, quad core or better. The motherboard needs be ASUS P6T SE triple channel DDR3, 6 gigabytes of 1333Mhz matched in 3-2GB DIMMs or similar. The discs will be a minimum of 1 terabyte SATA II for the C drive, with the D drive and the external USB clone as backup drive. The video adapter will be a minimum of 1 gigabyte PCI Express x-16 with dual monitor and crossfire capability. The monitor will be 24 inch LCD.

Filenames must be fully descriptive of the processing applied to the image. The file name should be numerical with appended information such as 0319ODDR319X2B110.TIF. This filename should decode to image number 319 ODD field vertically magnified to full frame resolution enhanced by a factor of 319, an area of interest magnified by a factor of 2 and the resulting image brightened by a factor of 110. The filename must satisfy Frye, Daubert, and the Courts, right in the image filename. For Courtroom testimony being able to describe the processing applied to the image being display without referring to notes is a significant witness creditability enhancement feature.

Subdirectory should be named by case file number.

The entire system need to back up using the latest version of Norton Ghost or similar product. The C drive should be cloned to an external USB SATA II drive.

Hardware and Software

Hardware and Software
Motherboard ASUS P6T SE X58 chipset and Core i7 CPU CrossfireX support Triple Channel DDR3 2000 (O.C) /1333/1066 or similar
Video Adapter Gigabyte Integrated with the industry's best 1GB DDR3 memory and 128-bit memory interface Supports CrossFireX™ and Avivo™HD technology Features Dual-link DVI-I / D-sub / HDMI or similar
Memory 6 GB 1333mhz matched 3-2gb dims
CPU Intel i7-920 Quad core 2.66 ghz
Power Supply Seventeam ST-850ZAF 850W ATX 12V V2.2 SLI Certified CrossFire Ready 80 PLUS BRONZE Certified Modular Active PFC Power Supply or similar
Combo Reader External AFT PROGear-G5 28-in-1 USB 2.0 Card Reader or similar
Operating System Microsoft Windows 7 64 bit
C and D 1 tera byte 7200 SATA II
E Drive 1 terabyte USB SATA II with power off on USB disconnect
Chassis COOLER MASTER HAF 932 RC-932-KKN1-GP Black Steel ATX Full Tower Computer Case or similar
2 DVD Burners PLEXTOR Black 22X DVD+R 8X DVD+RW 8X DVD+R DL 22X DVD-R 6X DVD-RW 12X DVD-RAM 16X DVD-ROM 48X CD-R 32X CD-RW 48X CD-ROM 2MB Cache IDE 22X DVD Super Multi Burner IDE Interface or similar
Speakers Creative Inspire T3100 2.1 2-way Speakers or similar
2/3 Extra Cooling Fans internal
Keyboard Logitech Elite Keyboard USB with PS/2 Adaptor or similar
Mouse/Trackball Logitech 2 BUTTON USB/PS2 Marble Mouse Trackball for PC- Silver or similar
Monitor Samsung 2494SW Black 24" Widescreen LCD Monitor 1920x1080 resolution or similar
SATA Data Cables round sets for better cooling
No Floppy Drive
Microsoft Office Suite 2007 Professional- Full version
WS FTP Pro 12 for FTP up/down load
Adobe Reader for PDF files
Norton Ghost for disk clone or similar
Winzip Pro or similar
ROXIO Easy Creator & for DVD burners and labels or similar
Comodo 64 bit firewall or similar
AIShow Video Suite or similar
Video Converter Decompiler by Zilla or similar
VCL Media Player by Video Lan Team Video Player
System Mechanic cleanup program
Start Up by Mike Lin -for startup programs at boot up time
SyncCell for Motorola Cell phone Images and videos transfer by USB II
Network Client by Sensomatics proprietary
Video Player by Clinton proprietary
Microsoft Classic Media Player
Microsoft Windows Media Player
TRECWare for Windows console application version or similar
FastStone Image Viewer slideshow/browse, annotation, overlay or similar
AVS Video Suite by Online Media Technology or similar
Screen Hunter Screen Capture or similar
Camtasia Studio by TechSmith w/ Snagit Screen Capture or similar
Hijaak Image Capture image format converter or similar
Spybot Search and Destroy virus removal tool or similar
AI Show suite of Image-video software or similar
March DVR Player for AVI files - proprietary or similar
Real Video Player or similar
Quick Time Player or similar
Atomic Clock

Capture Ex video Decomplier or similar
Zilla Video Decomplier or similar
Power DVD video player or similar
Clinton Video Player or similar
Web USB Camera
100 DVD's 4.7 ghz
1 box DVD labels-200 labels
Web USB Camera
Training minimum 3 days on site no limited to number of participants
Delivery by hand

Deliver and installation of the system within 90 days after receipt of Purchase order.

Initial training for at least three days during installation must be provided. Phone line technical support must be available during normal business hours. Assistance with courtroom presentation from testimony to video display must be made available if needed.

The system must satisfy Frye, Daubert, and Federal Rules of Evidence.