

## REQUEST FOR BID

### Mobile X-ray system and Digital X-ray Reader

#### **I. Statement of Purpose**

The Alabama Department of Forensic Sciences (ADFS) is seeking to purchase a MPX Mobile X-ray system and FCR XC-2, X-ray Digital Reader for use in postmortem examinations.

The purpose of this request for bid (RFB) is to seek qualified vendors from whom ADFS may purchase a MPX Mobile X-ray system and FCR XC-2, X-ray Digital Reader. Bid for unit to be purchased and placed at the Huntsville ADFS Laboratory.

#### **II. Specifications**

A. Bid for a MPX Mobile X-ray system must meet or better the following:

- \*Micro Processor & Remote Control Software
- \*High Frequency Generator: 35 mA / 100 kVp
- \*2.4 kW, 80 kHz
- \*Optimized mAs & kVp setting
- \*Pre-set APR Memory Stations
- \*kVp Range: 40-100 kVp
- \*mA Range: 16-36 mA variable
- \*mAs Range: 0.4-100 mAs, 38 steps
- \*X-ray Tube: Focal Size 1.2mm; 20,000 HU capacity
- \*Digital LED Display & Reversible Readout SW
- \*Remote control hand switch and software
- \*Automatic line voltage compensation
- \*Halogen Lamp Collimator
- \*120/220 VAC, 50/60 Hz

#### **MOBILE STAND FEATURES**

- \*Cassette Bin Cabinet: 14 x 17 size; holds 5 cassettes
- \*Vertical SID Range: 13" to 80"
- \*Horizontal Arm: 45"
- \*Height: Max 92", Length 38", Width 23"
- \*Wheel Size: 13" Diameter
- \* Weight: 102 lbs
  
- \* Instrument Maintenance: Two Rounds of Preventative Maintenance
- \*Service contract (includes parts, labor, and travel) manufactory's warranty.
- \*In-house service with 36 hours of notification.

B. Bid for a FCR XC-2, X-ray Digital Reader must meet or better the following:

- \*Processes up to 45 images per hour
- \*Cycle times of 50 to 82 seconds for maximum technologists productivity
- \*Hardware includes: Reader Unit for IP scanning and erasure
  - \*UPS with surge protection and power conditioning
  - \*Image and Information Workstation. (Console)

## **REQUEST FOR BID**

### **Mobile X-ray system and Digital X-ray Reader**

- \*Desktop CPU (3.2 GHz, 1 G Ram, 80 G Hard Drive)
- \*Keyboard & 19" color touch screen LCD Monitor
- \*Cart (AFC) – IIP Cart – Black
- \*DICOM Work list Management for interface to RIS/HIS
- \*DICOM CR Store for connectivity to PACS
- \*QC Adjustments including exam reprocessing
- \*MFP (Multi-frequency processing)
- \*FNC (Flexible Noise Control)
- \*Two each 14 X 17 Cassettes with Imaging Plates
- \*Two each 10 X 12 Cassettes with Imaging Plates
  
- \*Viewing Station software -- Image previews as the Image Processor is scanned for quick positioning checks before the next exam
- \*Main application software for patient ID, image processing, QA and image transmission at a single workstation
- \*Technologist editing tools such as automatic and manual shutters and movable annotation markers and text annotation
- \*Basic security features – Customizable technologist log in / log out & user restrictions
- \*Statistical Analysis Reporting – Text file download of patient image data base including reason for Image rejection coding, for reject or other performance analysis
- \*Minimum two (2) Professional on-site service days included in this package. (Install & Training on software, maintenance, and general theory)
- \* Instrument Maintenance: Two Rounds of Preventative Maintenance
- \* Service contract (includes parts, labor, and travel) one year minimum manufactory's warranty
- \*In-house service within 36 hours of notification

The vendor must have the capability to provide the requested items for laboratory located in Huntsville, Alabama. Price must include freight, applications training and installation. Terms and conditions must be included. Vendors will submit cost proposals on a line item basis.

Failure of any vendor to include any information that is requested within this RFB may lead to rejection of the bid for non-responsiveness. By responding to this proposal a vendor attests that it is capable of providing the requested technology immediately upon award.

### **III. Minimum Operational Specifications, Warranty, and Service**

The following are the mandatory requirements and operational specifications to be employed by the vendor regarding the requested instrumentation.

- A. The vendor must have a minimum of four (4) years' experience representing the proposed items in order to insure adequate experience with the requisite technology.
- B. The vendor must provide installation and training to sufficiently prepare ADFS personnel in the operational and technical functions of the requested items.
- C. Standard Warranty must include a twenty four (24) months warranty period from the date of installation. Standard warranty includes all parts and labor for repair of unit.

**REQUEST FOR BID**

**Mobile X-ray system and Digital X-ray Reader**

- D. Price must include freight, applications training and installation. Terms and conditions must be included. No state sales taxes are applicable.