SONOGRAPHY EDUCATIONAL PROGRAMS

January 31, 2020 – Request for Bid

ULTRASOUND EQUIPMENT QUOTE SPECIFICATIONS

Diagnostic Ultrasound Imaging System:

The Diagnostic Ultrasound Imaging System and all attached devices shall be new and equal to current industry imaging standards within six months, based on digital architecture, with the most recent software available. This unit and its accompanying transducers and attached devices shall be covered by a minimum 3 years warranty. Vendor proposal shall include all freight charges.

The Diagnostic Ultrasound Imaging System shall be equipped with all transducers and software for Cardiac, Vascular, Abdominal, OB/Gyn, and Superficial Structure applications as listed:

The unit must have all necessary imaging and calculations software packages for:

- **Echocardiography** – including Adult Echo
- **Abdominal and Small Parts Imaging** – including Abdominal, Urological / Renal, Small Parts, Musculoskeletal and Superficial imaging and vascular Doppler
- **Obstetrical and Gynecological Imaging** – including Obstetrical calculations packages, OB Doppler, Gynecological Doppler
- **3D/4D, Multiplanar reconstruction imaging for Obstetrical and Gynecological applications**
- **Strain/Speckle Imaging for Echocardiography**
- **Panoramic Imaging** capabilities for the superficial, abdominal, vascular transducers.

The base unit shall also include:

- 2D real time imaging, compound imaging, auto image enhancement, M-mode and Color M-mode, pulsed Doppler, color flow Doppler, duplex and triplex mode, simultaneous Color and CW Doppler, vascular enhancement technology, cine loop image review, integrated tissue harmonics, ECG and respirometer with necessary cables and leads, color power Doppler imaging or equivalent, and tissue Doppler or equivalent.

This unit shall include the following **transducers**:

- **2-4 MHz Multi-frequency Phased array** or equivalent (Adult echocardiography)
2-4 MHz Multi-frequency Phased array or equivalent - Transcranial Doppler and Imaging
1-5 MHz Multi-frequency Curved linear array or equivalent (Abd/OB/Gyn/Vascular)
5-15 MHz Multi-frequency Linear array or equivalent (Vascular/Superficial Structures)
2-4 MHz Continuous wave non-imaging cardiac “ped-off” or equivalent
5-12 MHz Continuous wave non-imaging probe or equivalent – Vascular applications
1-5 MHz Multi-frequency Curved linear array automated 3D/4D Transducer (OB/Abd)
5-12 MHz Multi-frequency Highly Curved linear array automated 3D/4D Endovaginal transducer

This unit shall also include:

Flat-Panel Multi-positional display monitor, CD-RW/DVD, USB drive capabilities for image recording, network connectivity items, DICOM connectivity for Digital Imaging distribution with existing archiving system, Service Manuals.

Each vendor shall provide appropriate “on site” applications training and “on-going” phone line technical support compatible with the number of ultrasound units obtained.

Each vendor shall address their company’s ongoing commitment to the support of the Ultrasound Education and related Health Sciences Education Programs at Southeast Technical Institute. For example: provision of periodic applications and optimization training for students, provision of teaching files and educational resources, online and in-person educational opportunities, educational conference speaker sponsorships for instructors and students.

Items to be priced as an option:

Alternate 1 Color Image Printer, compatible with the quoted ultrasound unit.

Alternate 2 A list and description of each additional transducer that is available for this machine with individual pricing.

Alternate 3 A list of any additional features that may not be specified in above criteria that are available with this machine; priced individually. (For example: elastography, stress echo, etc.)

Possible items available for trade-in:

Alternate 4

Philips HD 11 Ultrasound System with C5-2, L12-3, S4-2, and ped-off transducers