



Moberly Area Community College

Gymnasium Scoreboard

Request for Bid

PROJECT # 0424-01

Moberly Area Community College
101 College Avenue
Moberly, Missouri

Instructions to Bidders

Bid Due Date

Sealed bids must be received in the Activity Center Managers Office, room 210 of the Activity Center, by **2pm, April 25, 2024**. All bids must be clearly marked "Gymnasium Scoreboard". A public bid opening will be held at the place and time bids are due.

Bid Documents

- Bid Form and Specifications – completed and signed
- Warranty information (as applicable)

Delivery and Installation

Moberly Area Community College requests removal of current display and delivery and installation of all equipment listed. **Installation needs to be completed by August 2, 2024**. Please indicate on the bid form if this is not possible or if there is an additional fee that will apply for installation.

Purchase Information

Please provide pricing for items as listed on the bid form. Moberly Area Community College, at their discretion, may purchase by line item or as an entire package, whichever is in the best interest of the College. As indicated on the form, bidder may indicate a discount if all items listed are purchased at one time. MACC reserves the right to accept or reject any or all bids. Approval for purchase rests with the Board of Trustees.

Scope of Work

The following outline the turnkey deliver and installation responsibilities that define the project scope of work. Any and all work outline in this section is the responsibility of the contractor unless otherwise noted. Contractor is required to provide all labor, materials, tools, supervision and equipment to perform the following.

- Provide and install all equipment and displays listed – Products, including any and all equipment not specifically listed that is required to provide a completely functional system.
- Provide and install LED Video displays, signage, and aesthetics as specified.

The training shall cover the operations, routine maintenance and troubleshooting of the displays and control equipment.

Contractor will be required to have a control systems operator on site for the first event.

BID FORM

BID TIME: 2:00 PM

BID DATE: April 25, 2024

FROM: _____

(Herein after called the Bidder)

TO: MOBERLY AREA COMMUNITY COLLEGE

101 College Avenue
Moberly, Missouri 65270

(Herein after called the Owner)

FOR: Gymnasium Scoreboard – Project #0424-01

1. The undersigned, having examined and being familiar with the Instructions to Bidders and the specifications, hereby submits their proposal as follows:

Option 1 Wall Mount – Total Bid: _____

Option 2 Center Hung – Total Bid: _____

Sound System – Total Bid: _____

Discount to Purchase Video Display (option 1 or 2) and Sound System: _____

2. The Bidder hereby certifies: That this Proposal is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association or corporation; That he has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal; That he has not solicited or induced any person, firm or corporation to refrain from bidding; That he has not sought by collusion or otherwise to obtain for himself any advantage over any other bidder or over the Owner; and That discrimination against any employee or applicant for employment because of race, creed, color or national origin is not practiced in connection with the performance of this Proposal.

Dated this _____ day of _____, 20____

Name of Individual Firm Name (if any)

Address City, State, Zip Code

Signature Telephone Number

PRODUCT SPECIFICATIONS:

Option 1: 10'x16' Single face Wall Mounted Video Scoreboard & Fixed Digit Scoreboard

All Specs are minimum: Video Display

- Pixel Pitch: 3.9mm
- Matrix: 768x1280
- Pixel panel res: 128x256
- Cabinet size: 9'10.11"H x 16'4.85" L x 2.44" D
- Viewing area: 3000mm x 5000mm
- Brightness: 800 NITS
- Color: Calibrated to D65 true white
- Viewing angle: 140 x 140 degrees
- Pixel Density: 6,088 per sq. foot/ 65,536 per sq. Meter
- LED: SMD 3-in-1 energy-conscious LED with adjustable brightness
- Software
- Refresh rate: 3840Hz
- Video: up to 60fps
- Video Capability: live video capable
- Video Input: DVI, HDMI, SDI
- Content Player: Live Video
- Controller: Novastar vx4s-n (scaling)
- Virtual Scoring interface: hardware scoring Controller
- Horn: Included
- Electrical Service: 240v 33.3 amps
- Ventilation: Rear
- Service access: front
- Data Connection: customer provided Ethernet (less than 300ft)
- Technician on-site: on-site technical support package #1
- Custom artwork: Scoreboard design
- KVM Extender: Single HDMI
- Warranty: 5 years parts & factory labor

All Specs are minimum: Fixed Digit Scoreboard

- Cabinet Size: 5' H x 10' l x 5" D
- Digit Size: 14", 9"
- Display to show: Score, 99:59 clock, period, team fouls, player number, player fouls, bonus, possession indicators.
- Scoreboard Controller: wireless w/ VSI interface
- Hand Switches: game clock
- Cabinet color: black
- Trim color: white
- LED Digit Color: Standard layout
- Accessories: deluxe horn
- Approx. Weight: 192 lbs.
- Electrical:
- Warranty: standard 5-year parts

Shot Clock that must have 13" shot clock time and 5' LED game time for each basket

LED End of Period Lights for each basket

Top School Sign

All necessary controls to provide input to captions, timing and scoring.

Software:

Software must be able to provide the following:

- Create, manage, and deliver content to the LED display.
- Ability to time and score multiple sports. Ability to score and display up to four scoreboards simultaneously on a single videoboard. Ability to create and customize unlimited scoreboards.
- Includes built-in layout (zone) editor, content creation editor, playlist editor with drag-and-drop features, and live video input capability.
- Include recall feature, allowing operator to return to the last playlist content display instead of returning to the start of the playlist.
- Imports JPG, GIF, PNG, and TGA image files; AVI, MOV, MP4, MPG, WMV, MKV, M4V, FLV, and VOB video files; MP3, WAV and WMA audio files.
- No annual fee. Ongoing support at no cost for life of units.
- Future software upgrades at no additional cost to School/owner.

Installation

Awarded vendor responsibilities:

Videoboard(s) to be installed on Northwest wall adjacent to stage, exact location to be decided by MACC. Fixed digit Scoreboard to be installed above press box. Installation to be done by manufacturer's approved dealer. Setup & installation of software & any provided hardware components to be done by on-site factory trained technician employed by manufacturer.

Removal of existing center hung display.

MACC Responsibilities:

All Power & data runs to videoboard locations as well appropriate access to site

Option 2: 4-sided Center Hung Video Scoreboard

1 Indoor Video Display – 4-Sided Center Hung Video Display All Specs are Minimum

- Viewing area: (4) 5.92' high x 8.66' wide 6mm (Pixel matrix of 280 x 440) - Acceptable alternative is 3.9mm of same approximate height and width.
- LED pixel elements: Single Tri-color SMD LED
- "Virtual Pixels" and other specious designs are specifically excluded.
- LED pixel pitch: Exactly 6.00 mm. – acceptable alternate is 3.9mm
- Luminosity: 1500 NITS minimum.
- Color capacity: 68 Billion
- Viewing angles: 170 degrees horizontal and vertical.
- Contrast Ratio: 1,000:1
- UL listed, and inspected by authorized UL agent in Illinois factory.
- Sub-Module parts replacement shall include per-pixel filtering to simplify matching without use of additional software, or mechanical/electrical adjustments.
- Working Temperature -40 to +65C.
- Frame Rate 60 frames per second.
- Refresh Rate 1020 Hz.
- Withstands direct impact without dislodging panels or requiring Lexan cover protection
- Includes signal redundancy so that if there is a signal connection between the video modules the system automatically adjusts the signal path to avoid disruption to the image on the LED video screen.
- Video input (when applicable) NTSC or PAL standard, via Composite (BNC), S-Video mini DIN, Serial
- Digital Interface (SDI), High Definition Serial Digital Interface (HD-SDI). HDMI available.
- Includes complete control system processor for fully functional installation.
- Voltage: 100 to 265 Volts AC, 50 - 60 HZ. per column with Power Factor Correction
- LED life expectancy shall be 100,000 hours to 50% brightness degradation.
- Service access: LED Panels Front access by metallic latch, all other components, front or rear
- Shall not require any regular scheduled maintenance such as filter cleaning or replacement.

VIDEO DISPLAYS – PROCESSING AND CONTROLS

- Video screen control system must provide the ability to manage: brightness (multi-level), video input, and image position: size and scale, adjustable gamma correction, remote power function (power on/off), color, color temperature, contrast and sharpness.
- Processing to allow for electronic color and brightness calibration - block to block and pixel to pixel.
- The processor shall support the following inputs: HD-SDI video in either 720p or 1080i, SD-SDI (480p) and SDI 16x9 anamorphic signal, and DVI video.
- Processing and Control equipment is to be housed in the production equipment room.

LED ANIMATION PACKAGE

- Provide a minimum of 50 hours of custom animation work. This work to include head-shot templates, scoring templates, fan prompts, sponsorship elements, games / races and noise meters. Other graphic elements to be determined by the owner. This is in addition to a pre-programmed package included.

HARDWARE & SOFTWARE

- Touch-screen or laptop computer-based operator's control center designed to operate video display. Console will be capable of all components (such as additional video display, message center(s), and/or fascia/ribbon board, which may be added at a later date).
 - Console: 18 x 10 x 22 inches, 45.7 x 25.4 x 55.9 cm.
 - Screen: 23 inches, 58.4 cm measured diagonally
 - Features:
 - Windows 10.1 64-bit operating system
 - 4th Gen Intel® Core™ i5 processor
 - 8GB memory
 - 1TB hard drive
 - Touch screen
 - Built-in wireless networking
 - Bluetooth wireless keyboard and mouse
- System includes clip server PROPRIETARY software developed and supported by manufacturer of the video display; Software will operate and will simultaneously control video display, message center(s), and/or fascia/ribbon board. which may be added at a later date.

Required Features

- Intuitive, touch-screen interface
- Media sequencing to create one-touch playlists (audio and/or video media)
- Templates & zoning capabilities for easy content creation
- Overlay technology to display content over video input
- Plays and controls audio and video media
- Scoring data and statistical data integration (e.g. StatCrew)
- Live video source switching via software
- Media types – must accept:
 - Video: .avi, .mpg, .mov
 - Image: .jpg, .gif, .png
 - Audio: .wav, .mp3/.mp4

Shot Clock that must have 13" shot clock time and 5' LED game time for each basket

LED End of Period Lights for each basket

Top School Sign

All necessary controls to provide input to captions, timing and scoring.

Installation

Awarded vendor responsibilities:

Videoboard(s) to be installed on Northwest wall adjacent to stage, exact location to be decided by MACC. Fixed digit Scoreboard to be installed above press box. Installation to be done by manufacturer's approved dealer. Setup & installation of software & any provided hardware components to be done by on-site factory trained technician employed by manufacturer.

Removal of existing center hung display.

MACC Responsibilities:

All Power & data runs to videoboard locations as well appropriate access to site

Sound – All Specs Are Minimum

(Alternative Sound System Suitable for Arena Quality Sound Will be Accepted)

Speakers

- Frequency response: a. (-10DB@1M): 37Hz to 20Khz b. (+/-3db@1M): 43Hz to 20Khz
- Max SPL @1m: 130dB
- Max. System Coverage: 120°V x 360°H
- Audio input: Includes 12 channel mixer with 6 high-gain balanced inputs and 3 stereo line inputs
- Power input: (1)120VAC 15 Amp inputs
 - Includes automatically sequenced power to properly bring the amplifiers up and down avoiding risk of damage to the speakers
 - Power input is required inside the control room and will need a 120VAC power outlet available at speaker location.

Subwoofers

- Two 12"
- Ported Cabinet for optimal LF tuning
- Independent Amplifier driven

Custom Designed Speaker Cabinet

- 4'6" W x 4'2"H x 4'4" D
- Sturdy Steel Frame Construction
- Total Cabinet Weight (speakers included): 277lbs

Control Equipment

- 4 space Rack 9.5"H x 22.25" W x 24" D
- Furman Power Conditioner
- Wireless Microphone Receiver