

ADDENDUM NO. 2

The following shall be added to and become part of the Specifications for the above referenced project.

ITEM NO. 1

Section 00113. Advertisement for Bids, *revise to read*: Bids: April 23, 2018

Bids will be received until 2:00 PM Central Time on Monday, April 23rd, 2018, in the Office of the Vice President for Business Services on the campus of Lake Land College, 5001 Lake Land Blvd., Mattoon IL.

ITEM NO. 2

Section 117000, Part 1, General, 1.01, Scope, *Remove from G*: LED matrix display and Control System

Section 117000, Part 2, Products, 2.01, Materials, *Remove from A*: LED Display: Provide one (1) Daktronics DVNMC-934-160x288-RGB-SF-120VAC-MA -MN-WMC-MR Video Display.

General Information:

- Cabinet Dimensions: 6' (1.83m) high, 10'-0" (3.05m) wide, 0'-6" (152.4mm) deep
- Matrix size: 160x288
- Line/Column Spacing: 9.9mm
- Weight: 290# (131.7 kg) unpackaged
- Power requirements: 3984 watts/display

Pixel Characteristics:

- Each pixel shall consist of RGB 3-in-1 SMD style LED. Pixels with through hole LED technology are not acceptable
- Pixel spacing measurement shall be measured from the center points of neighboring physical pixels, rather than neighboring physical and virtual pixels
- All LEDs shall be official Nichia brand and bidder shall provide a letter from Nichia indicating bidder is an established customer of Nichia Japan with bid response

Display Capabilities:

- Gradations Per Color: 16,384
- Color Capability: 16 bit (281 trillion colors)
- LED Refresh Rate: 4800 Hz as defined by the number of times per second the LED image is repainted in intensity.
- Display shall have signal redundancy allowing for signal path both forward and backwards through modules allowing for loss of only 1 module vs. rows or blocks of multiple modules or panels in case of failure.

Video Processing:

- Video Frame Rate: 50/60 frames per second
- Graphic Frame Rate: 30 frames per second
- Processing Architecture: 22-bit distributed
- System Architecture: 100% digital
- Video Enhancement: Color space conversion, adjustable gamma correction, proprietary sharpening technology and enhancement algorithms for optimal picture quality

LED Quality

- Quality Control: Sorted by intensity and color wavelength
- LED Lifetime: 100,000 hours of operation as defined by time at which display intensity has decreased to 50 percent of the original intensity

Display Construction

- Service Access: Front
- It shall not be necessary to remove or insert screws in order to remove or install modules
- Cabinet Depth: 6"
- Cabinet Construction: All-aluminum construction for lightweight and corrosion resistance. Cabinet must be manufactured in the same facility as modules

Viewing Characteristics

- Module Intensity: 2,000 nits (adjustable)
- Brightness Control: 256 levels (manual, scheduled or automatic)
- Suggested Viewing Angle: 170° horizontally and +60°-80° vertical

Display Interface: The full-color video display MUST have the ability to interface and display real-time data from the control system without the need for a duplicate or redundant input.

Media Player: Provide one (1) Daktronics Digital Media Player

Minimum Standard Hardware Features

- Resolution: 720p full motion

Hardware Features:

- 8 GB DDR2 SDRAM (single channel)
- 240 GB solid state drive
- 10/100/1000 Ethernet (RJ-45 LAN) @ 2
- Audio output: 3-pin XLR balanced
- Ports: 6 USB 2.0, 4 USB 3.0

- Inputs: Component or Composite or SDI (HD-SDI)
- Outputs: DVI to Daktronics Processor
- Animation rates of up to 60 frames per second Processor

Specifications

- Width: 222 mm (8.5"), Height: 43 mm (1.7"), Depth: 305 mm (12")
- Power: 15 watts 120/240 volts 50-60 Hz
- Weight: 3.24 kg (7.15 lbs)
- Half width 1RU

Video Processor: Provide one (1) Daktronics Video Processor

Video Input

- DVI from Daktronics Digital Media Player

Video Output

- Two (2) Daktronics ProLink® 6 (fiber optic)

Control and Communication

- One (1) network interface (Cat 5e)

Color Space Conversion

- Proprietary LED conversion

Specifications

- Width: 222 mm (8.75"), Height: 43 mm (1.7"), Depth: 305 mm (12")
- Power: 15 watts 120/240 volts 50-60 Hz
- Weight: 3.24 kg (7.15 lbs)
- Half width 1RU

Control System Software Functions:

Display Software Features

- Simultaneous display and edit capability
- Quick display to direct access from any point in the operation to the display function
- Support optional input devices such as a mouse, keyboard, touch screen, and dual monitor
- In-place editing features
- Icon and pull-down menu programming features
- Help screens

- Control multiple signs directly
- Content playlists with loop, shuffle, random and next play functionality
- Networking software feature
- Thumbnail preview
- Monitor displays
- Color-coded buttons
- Adjustable button sizes
- Unlimited buttons
- The ability to control and download to remote displays
- Multiple operator workspaces

Content Editor Software Functions

- Display of true type fonts and other Windows® compatible character fonts
- Image and animation import of multitude different formats, including BMP, JPEG, PCX and AVI
- Import still and motion graphics
- Content preview
- Layer content
- Transitions and effects
- Inline text editing
- Must be capable of real-time data display that allows operators to create a sequence with information such as: scores, game-time, player statistics, team statistics, time-of-day, date or temperature that automatically updates without user intervention

Animations

- Have the ability to receive Daktronics standard or enhanced RTD (real time data)
- Be configured to send RTD to individual displays or groups of displays
- Have the ability to control signs by sending messages, running messages, stopping messages, blanking displays, etc. from the RTD stream

SCOREBOARDS
PROJECT NO. 2018-005
MATTOON ILLINOIS
April 12, 2018

ADDENDUM NO. 2
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Section 117000, Part 2 Products, 2.01, Materials A: *Revise to read:* Basketball/Volleyball/Wrestling scoreboard @ 1

LAKE LAND COLLEGE
Vice President for Business Services
5001 Lake Land Boulevard
Mattoon, Illinois 61938

ADDENDUM NO. 2
April 12, 2018
Project No. 2018-005

SCOREBOARDS

Unless this ADDENDUM NO. 2 is signed and attached to your Proposal, your Proposal will be considered irregular.

PROSPECTIVE VENDOR: _____

Signed By: _____