

ADDENDUM NO. 4

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

ITEM NO. 1

Section 117000. Part 2, Products, 2.01 Materials – *insert Video Board information:*

VIDEO DISPLAY WITH 10 MM RESOLUTION – Provide One (1) to operate with basketball scoring system for basketball and volleyball.

- A. Type: Interior, LED video scoreboard / message display. 10 MM Nevco Video Display as manufactured by Nevco.
1. Viewing area: 6.92'H x 9.45'W [192 x 288 viewing area]
 2. Approximate hanging weight: 409 lb. (185.5kg)
 3. Display depth: [6 inches] [152 mm].
 4. Fabricated viewing area made from aluminum "columns" of custom height in increments of 9.45 inches [240mm] and width of either 28.35 inches [720mm] or 37.8 inches [960mm].
 5. LED pixel elements:
 - a. Single Tri-color SMD LED
 - b. "Virtual Pixels" and other specious designs are specifically excluded.
 6. LED pixel pitch: Exactly 10.00 mm.
 7. Luminosity: 1800 NITS minimum.
 8. Color capacity: Any additive color perceptible by the human eye. Mathematically greater than 16.7 million colors.
 - a. Color Processing shall be 24 bits minimum (19 bits color, 5 bit brightness).
 - b. Color Temperature, 6500 – 9500 deg K (adjustable)
 9. Viewing angles: 160 degrees horizontal and vertical.
 10. Contrast Ratio: 1,000:1
 11. Sub-Module parts replacement shall include per-pixel filtering to simplify matching without use of additional software, or mechanical/electrical adjustments.
 12. Working Temperature -40 to +50C.
 13. Frame Rate 60 frames per second.
 14. Refresh Rate 1200 Hz.
 15. When operated as a message center, provide method of video upgrade. System upgrade to video can be performed with simple hand tools.
 16. 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.
 17. Includes complete control system processor for fully functional installation.
 18. Provide "low cost" video control option.
 19. Voltage: 100 to 265 Volts AC, 50 - 60 HZ. per column with Power Factor Correction
 20. LED life expectancy shall be 100,000 hours to 50% brightness degradation.

21. Service access: LED Panels Front, all other components, front or rear
22. Shall not require any regular scheduled maintenance such as filter cleaning or replacement.

VIDEO DISPLAY CONTROL SYSTEM with "Display Director™ Software"

- A. Hardware: Laptop computer based operator's control center designed to operate Video Display. Console will be capable of operating other video components (such as message center(s), and/or fascia/ribbon board, which may be added at a later date).
 1. Features:
 - a. HP ProBook 470 G5 17.3" LCD Notebook
 - b. Intel Core i5 (8th Gen) i5-8250U Quad-core (4 Core) 1.60 GHz
 - c. 8 GB DDR4 SDRAM
 - d. 500 GB HDD
 - e. Windows 10 Pro (English)
 - f. 1600 x 900 - Twisted nematic (TN)
 - g. Built-in wireless networking
 - h. Bluetooth wireless keyboard and mouse
- B. Software: Software will simultaneously control video display, message center(s), and/or fascia/ribbon board which may be added at a later date.
 1. Required Features
 - a. Media sequencing to create one-touch playlists (audio and/or video media)
 - b. Templates & zoning capabilities for easy content creation
 - c. Overlay technology to display content over video input
 - d. Plays and controls audio and video media
 - e. Scoring data and statistical data integration (e.g. StatCrew)
 - f. Live video source switching via software
 - g. Media types – must accept:
 - i. Video: .avi, .mpg, .mov
 - ii. Image: .jpg, .gif, .png
 - iii. Audio: .wav, .mp3/.mp4

ITEM NO. 2

Section 117000. Part 2, Products, 2.01 Materials, Notes - *strike from list*. Items A, H, I and J.

NOTES: No Exceptions to the following will be considered

- ~~A. Vendor must have at least 5 sports venue video display installations in the State of Illinois.~~
- B. Vendor must be able to complete installation within 8 weeks of order.
- C. Installation and service provider must have at least 5 years of experience installing and servicing Manufacturer's video displays and scoring equipment.
- D. Installation and service provider must be licensed in the State of Illinois.

- E. Must include 7 years warranty, 2 years onsite service, 7 years brightness warranty (Includes equipment rental and travel charges. There will be no cost to the school)
- F. Must allow for remote diagnostics for the video display and sound system.
- G. All video and scoring equipment must be UL-Listed.
- ~~H. Vendor must be the sole manufacturer of Video Displays, Video Control Software, Scoreboard Controls, Trusses and Rear-Lit Letters.~~
- ~~I. Vendor must have at least 35 years of experience in providing scoring equipment for athletic venues.~~
- ~~J. Vendor must have at least 100 athletic stadium video installs in the last 10 years.~~
- K. Video Tile to be submitted upon request.
- L. Virtual Scoring Option must interface with scoreboard control.

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ADDENDUM NO. 4
April 23, 2018
Project No. 2018-006

ATHLETICS VIDEO BOARD/SCOREBOARDS

Unless this ADDENDUM NO. 4 is signed and attached to your Proposal, your Proposal will be considered irregular.

PROSPECTIVE VENDOR: _____

Signed By: _____