

ADDENDUM NO. 3

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 30, 2018

Bids will be received until 2:00 PM Central Time on Monday, April 30th, 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 2, Products, 2.01 Materials, A., *revise to read*:

Lake Land College – Indoor Virtual Video Scoreboard and Outdoor Scoreboards
10MM RGB VIDEO DISPLAY WITH VIRTUAL SCORING, CUSTOM SIGNAGE, CONTROL
CENTERS, AND OTHER ACCESSORIES FOR COMPLETE FUNCTIONAL INSTALLATION

QUALITY ASSURANCE

- A. Source limitation: All components including scoreboard, video display, signage, control center, control cable, other accessories and installation hardware shall be products and coordinated by a single manufacturer.
- B. Manufacturer qualifications: Manufacturer of LED scoreboards, message centers and video displays with a minimum 35 years successful world-wide experience.
- C. Scoreboards shall be designed for exterior installation with weatherproof housing and fiber optic interface to reduce potential damage from electrical storms.
- D. Should service be necessary, specialized personnel shall not be required. Modular “plug and play” components will be housed in an internal protective enclosure.
- E. Scoreboards, Video Display and other electrical components shall be certified for use in United States and Canada by Underwriter Laboratories, (UL) Inc. and shall bear either UL or C-UL label only.
- F. Scoreboards, Video Display and other electrical components shall be electrically grounded in accordance with National Electrical Code (NEC), Article 600.

SUBMITTALS

- A. Submittal Procedures:
 - 1. Product data for scoring & display equipment, controls, and accessories. Include descriptions of control functions.
 - 2. Drawings showing face layout, dimensions, construction, electrical wiring diagrams, interface with structural supports, and method of anchorage.
 - 3. Finish color samples.
 - 4. Copy of guarantee.
 - 5. Manufacturer's installation instructions.

MATERIALS

- A. Aluminum faces and perimeter frame: Fabricated from .050 minimum thickness, ASTM B221 aluminum sheet with reinforcement and slotted mounting brackets top and bottom.
- B. Finish: Acrylic polyurethane paint. Color as selected by architect from manufacturer's standard range of colors. Paint will have clear coat UV protectant.
- C. Fasteners, anchors, and other exposed hardware: Corrosion resistant.
- D. Electronics: Low voltage, solid state, 2-wire cable, multiplex system, quartz crystal controlled.
- E. Provide gold plated electrical contacts on interconnecting wiring to reduce corrosion and improve reliability.
- F. Provide fiber optic communication interface to reduce threat of damage from electrical storms and ESD.
- G. LED (light emitting diode) units: Seven-bar, segmented digits with protective aluminum cover, rated typical life 100,000 hours and be designed to provide excellent visibility from all angles and sides.

GUARANTEE

- A. Provide under provisions of Section 01 78 00 - Closeout Submittals: Guarantee to cover defects in materials and workmanship.
 - 1. 7 years parts and factory labor and 2 year on-site service guarantee for scoreboards, marquees, message centers, video displays invoice date.
 - 2. 7 years part and factory labor guarantee for wireless components, portable scoreboards and solar power kits from invoice date
 - 3. Lifetime telephone support.

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

Indoor scoring system shall include:

- One (1) Nevco Model 2715-ETN-NL Scoreboards, 18" and 13" digit size minimum. Provide Two (2) MPCW controls and carrying cases. System to operate wireless and synchronize with virtual scoring system.

Universal Controls: Type MPCW – wireless. All controls shall be capable of operating all scoreboards for all sports: Basketball, Wrestling, Volleyball, Baseball and Softball, total four controls on campus that are multi-sport and universal required. All scoreboards to be operated as wireless units. Receivers required for all systems. Dual and independent operation required.

Interior, electronic basketball scoreboard with two integral horns, and LED displays for time, scores, period, number for player fouling with personal fouls, team fouls, bonus and double bonus indicators, and next possession arrows; Model 2715-ETN-NL as manufactured by Nevco Inc. Electronic Team Names (ETN). Only LED lighting shall be used for rear-lit captions, incandescent lighting excluded. No captions shall be applied directly to the face of the scoreboard. All caption plates will be changeable and made of polyvinylchloride with vinyl lettering applied

1. Size: 12 feet long x 5' 6" feet high x 8 inches deep
2. Approximate hanging weight: 207 pounds
3. Captions: 6 inches "period", "fouls" and "player".
4. LED displays:
 - a. Timing: Super Bright Red 18 inches high digits with lit colon.
 - b. Team scores: Super Bright Amber 18 inches high digits.
 - c. Period: Super Bright Amber 13 inches high digits.
 - d. Player number and fouls: Super Bright Red 13 inches high digits.

- e. Team fouls: Super Bright Amber 13 inches high digits.
 - f. Next possession: Super Bright Amber arrow for each team.
 - g. Include bonus and double bonus in the form of a 4 inch Super Bright Red LED "B".
5. Suspension mounting attachments will be included.
 6. Power requirement: All options included: 152 Watts, MAX, 100-240 Volts AC w/Power Factor Correction.

Electronic Team Names: "HOME" and "GUEST" caption plates to be replaced with programmable Electronic Team Names as manufactured by Nevco Inc.

One (1) Set Shot clocks: Pair of portable electronic units displaying shot clock time with external horn box that can be mounted above or below the clock; Model SSC-7 as manufactured by Nevco, Inc.

1. Size: 20 inches x 20 inches x 2 inches deep.
2. Approximate weight each: 40 lbs.
3. LED displays:
 - a. Shot clock time: High Intensity Red [13 inches] [330 mm] high digits.
4. Horn: Sounds automatically at 0 shot clock time.
5. Power requirement: 12vDC low voltage power input from included 120 VAC 1.2A Power Supply; powered from the Indoor Accessory Driver (IAD).
6. Construction: Shot Clock face made of durable Lexan, encased in an aluminum cabinet.

One (1) Set End of Period Lights: Pair of perimeter light strip sets installed on rear side of glass basketball backboards to signal end of period; universal fit for 42" or 48" backboard. Model EOP1 as manufactured Nevco, Inc.

2. Light strips: Self-adhesive light strips with Super Bright Red LED displays and end wire connectors to join light strips.
2. Powered from the Indoor Accessory Driver (IAD).
3. Power requirement per module, (standalone): 120 volts, 1.5 amps, requires earth ground.
4. Can program to light up horn and/or shot time violation.

Four (4) Locker room clock: Provide LED clocks for locker rooms indicated on Drawings to be interfaced with control center for basketball scoreboard. Model 9715 as manufactured by Nevco, Inc.

3. Size: 14.25 x 10.25 x 1.5 inches.

4. Construction: Fabricate with brushed aluminum frame and Acrylic face with imprinted diffusion.
5. Electrical power: 100-240 Volts AC 18 Watts; powered from the Indoor Accessory Driver (IAD).
6. Locker room clock shall display same time and timing functions as scoreboard timer.
7. LED display: Red 4.5 inches high digits.

Two (1) Type ADI full depth, indoor fully enclosed aluminum signs 12' x 2' as manufactured by Nevco.

Identification sign below scoreboards to recognize Lake Land College Foundation. Sign includes artwork, graphics to be provided by the owner. Aluminum, completely enclosed cabinets (back, sides, top bottom).

NEW SCOREBOARDS – OUTDOOR

BASEBALL / SOFTBALL

Provide Two (2) Nevco Model 1603-ETN with two (2) MPCW controls, receivers and carrying cases.

Universal Controls: Type MPCW – wireless. All controls shall be capable of operating all scoreboards for all sports: Basketball, Wrestling, Volleyball, Baseball and Softball, total four controls on campus that are multi-sport and universal required. All scoreboards to be operated as wireless units. Receivers required for all systems. Provide Two MPCW controls with receivers and carrying cases.

- A. Type: Exterior, electronic baseball scoreboard with LED displays for uniform number of player at bat, balls, strikes, outs, hit, error, scores by inning, and totals for runs, hits, and errors; Model 1603-ETN as manufactured by Nevco.
1. Size: 36 feet long x 9 feet high x 8 inches deep.
 2. Approximate weight: 865 pounds.
 3. Provide electronic programmable team names
 4. White on black captions:
 - a. 15 inches high "AT BAT", "BALL", "STRIKE", "OUT", "H", and "E".
 - b. 10 inches high: Inning numbers "1" through "10", "RUNS", "HITS", and "ERRORS".
 5. High Intensity Red, Amber, or Translucent White LED displays:
 - a. 24 inches high digits and letters: Player number at bat, balls, strikes, outs, hits, and errors.
 - b. 18 inches high digits: Scores by inning and totals for runs, hits, and errors.
 6. No single section of scoreboard shall be larger than 5 x 12 feet.
- Electronic Team Names: "HOME" and "GUEST" caption plates to be replaced with programmable
Electronic Team Names as manufactured by Nevco Inc.

Two (2) Type ADO full depth, outdoor fully enclosed aluminum sign 36' x 3' minimum with ADO Full depth dome sign above, maximum 108".

- a. Identification sign to be mounted above scoreboard to recognize Lake Land College Foundation. Sign includes artwork, graphics to be provided by the owner. Aluminum, completely enclosed cabinets (back, sides, top bottom).

PREPARATION

- A. Verify exact scoreboard and control center quantities and junction box locations.
- B. Coordinate requirements for electrical power, concrete, steel erection, auxiliary framing and supports, suspension cables, and other components to be provided under other Specification Sections to ensure adequate provisions are made for complete, functional installation of scoreboards.
- C. Coordinate scoreboard electrical requirements to ensure proper power source, conduit, wiring, and boxes are provided. Prior to installation, verify type and location of power supply.
- D. Removal of existing scoreboard.

INSTALLATION / ENGINEERING / TESTING

- A. Provided structural supports and foundations for scoring and display components shall be stamped by a Professional Engineer, registered in the state of Illinois, prior to beginning work. Renderings and structure design must also be reviewed and approved by the owner.
- B. Before installation, field test scoring equipment, video display and accessories for operating functions. Ensure that equipment accurately perform all operations. Correct deficiencies.
- C. Install all equipment in accordance with manufacturer's instructions and approved installation drawings.
- D. Provide and install all necessary fiber to operate the video display.
- E. Make all required secondary power connections. Main electrical source and transformer by owner.

CONSULTATION TRAINING AND SERVICES

- A. Starting, adjusting, and demonstrating, provide demonstration and training session for Owner's representative covering operation and maintenance of scoring & display equipment.
- B. Manufacturer shall provide a direct employee sales consultant in the field for questions and coordination during the project.
- C. Manufacturer shall coordinate manufacturing and delivery to site.
- D. Manufacturer shall coordinate substantial completion checklist.
- E. During installation, manufacturer technician shall provide basic maintenance and training.
- F. Manufacturer shall provide one (1) set of operating manuals.
- G. Manufacturer shall provide one (1) set of mechanical drawings and electrical diagrams.
- H. Manufacturer shall conduct a personalized training seminar designed to cover the major components of operator training on the equipment.
- I. Manufacturer shall provide Toll-Free technical support for the life of the product.

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.

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

ADDENDUM NO. 3
April 19, 2018
Project No. 2018-006

ATHLETICS VIDEO BOARD/SCOREBOARDS

Unless this ADDENDUM NO. 3 is signed and attached to your Proposal, your Proposal will be considered irregular.

PROSPECTIVE VENDOR: _____

Signed By: _____