



Montague Area Public Schools

4882 Stanton Blvd. – Montague, MI 49437 – Telephone: 231-893-1515 – Fax: 231-894-6586

REQUEST FOR PROPOSAL Montague Area Public Schools Football Stadium and Soccer Stadium Scoreboards

Montague Area Public Schools is seeking proposals from qualified vendors to provide a scoreboard for the District's football stadium and a scoreboard for the District's soccer stadium. The proposal should encompass the enclosed scope of work/specifications. The Board is undecided as to if the District will purchase LED scoreboards or live video display scoreboards, so the District is asking for pricing on both options.

Montague Area Public Schools will accept sealed bids for (1) a football stadium scoreboard and (2) a soccer stadium scoreboard as described on the attached specifications. Bids will be accepted until 3:00 p.m. on February 29, 2024. No oral, telephone, E-Mail, telegraphic, or facsimile proposals will be accepted. No proposals will be accepted after the time of closing. The bid opening will take place at 3:00 p.m. on February 29, 2024 in the Central Office Conference Room located at 4882 Stanton Blvd., Montague, Michigan.

All bids must meet or exceed all the specifications contained herein. Bids must be submitted on the attached form and be signed by the bidder. Bid documents to be returned:

- One signed copy of the bid form
- One signed copy of the Familial Disclosure Statement
- One signed copy confirming compliance with the Iran Economics Sanctions Act
- A rendering of each scoreboard being presented for bid
- Specs of each scoreboard being presented for bid

Documents can be submitted to the attention of:

Montague Area Public Schools
Stacey Brown, Director of Business Affairs
Re: Scoreboard Bid
4882 Stanton Blvd.
Montague, MI 49437

Montague Area Public Schools reserves the right to reject any and all bids and to waive omissions, irregularities, or clerical errors not affecting substantial compliance with the plans and specifications. The District reserves the right to interview vendors regarding their proposals. It is anticipated that the Board will make a final decision at their March 11th Board meeting.

Any questions should be referred to Stacey Brown, Director of Business Affairs at browns@mapsk12.org no later than 3:00 p.m. on February 28, 2024. All questions and responses pertinent to this RFP will be posted on the District's website, www.mapsk12.org.

Please contact the individual below to schedule a visit to the school and to receive additional information about the project.

Jay Mulder
Athletic Director
231-981-4537
mulderj@mapsk12.org

BID FORM

Company Name: _____

PROJECT: Montague Area Public Schools - Football and Soccer Stadium Scoreboards

The undersigned, having familiarized themselves with all local conditions affecting the cost of work, and having examined the sites and all applicable Bidding Documents herein, and herein referenced, including, but not limited to, all addenda issued thereto, hereby propose to furnish all labor, material, equipment, applicable taxes and services required for proper completion of the above named project for the sum of:

- 1. Football Stadium Fixed Digit Display Scoreboard: _____
 - a. Alternate Pricing
 - i. 2.02 D Programmable Team Name Message Center _____
 - ii. 2.04 25' Aluminum Arch Truss with Logo _____
- 2. Soccer Stadium Fixed Digit Display Scoreboard: _____
 - a. Alternate Pricing
 - i. 2.02 D Programmable Team Name Message Center _____
 - ii. 2.04 16' Aluminum Arch Truss with Logo _____
- 3. Football Stadium Live Video Display Scoreboard: _____
 - a. Alternate Pricing
 - i. 2.09 A 25' Aluminum Arch Truss with Logo _____
- 4. Soccer Stadium Live Video Display Scoreboard: _____
 - a. Alternate Pricing
 - i. 2.09 B 14.5' Aluminum Arch Truss with Logo _____

SIGNATORY AUTHORITY: The undersigned certifies they are an authorized agent of the bidding entity, and legally able to bind the bidding entity to the terms, conditions and responsibilities of this, and all referenced bid documents.

Name (please print): _____

Signature: _____

Title: _____

Date: _____

Contact Information:

Phone(s): _____

Email: _____

Company Address: _____

Familial Disclosure Statement

In accordance with Section 1267 of Michigan Revised School Code this sworn and notarized statement of an authorized representative, discloses any familial relationship between the owner and/or any employee of the Bidder, and any member of the project Owner’s governing Board(s) or Superintendent(s). The law does not preclude bidders from submitting bids or a Board of Education from approving a bid with a familial relationship. The law requires the notification to allow Board members and the Superintendent to avoid recommending or voting on a conflict of interest.

The following are members of the Board for Montague Area Public Schools:

Brent Raeth **Cindy Francis** **Scott Beishuizen** **Joel Smith**
Tom Johnson **Amanda Dahl** **Karen Neubauer**

The bidder must check one of the following:

____ No, there is not a familial relationship between the Owner or any employee of the Bidder and any member of the Montague Area Public Schools Board.

____ Yes, there is a familial relationship between the Owner or an employee of the Bidder and a member of the Montague Area Public Schools Board.

	<u>Owner/Employee</u>	<u>Board Member</u>	<u>Relationship</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

BIDDER:

Name of Company_____

Name of Representative_____

Signature_____

Date_____

NOTARY:

Subscribed and sworn this ____ day of

_____, 2024.

Notary Signature_____

Notary Public, State of _____

County of _____

My Commission expires_____

IRAN ECONOMIC SANCTIONS ACT
Michigan Public Act No. 517 of 2012

The undersigned, the owner or authorized officer of _____ (the “Bidder”), pursuant to the compliance certification requirement provided in the Montague Area Public Schools (the “School District”) Request for Proposals for Football Stadium and Soccer Stadium Scoreboards (the “RFP”), hereby certifies, represents and warrants that the Bidder (including officers, directors and employees) is not an “Iran linked business” within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the “Act”), and that in the event Bidder is awarded a contract/purchase order as a result of the aforementioned RFP, the Bidder will not become an “Iran linked business” at any time during the course of performing the Work or any services under the contract.

The Bidder further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or 2 times the amount of the contract/purchase order or proposed contract for which false certification was made, whichever is greater, the cost of the School District’s investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal three (3) years from the date it is determined that the person has submitted the false certification.

BIDDER:

Name of Company_____

Name of Representative_____

Signature_____

Date_____

NOTARY:

Subscribed and sworn this ____day of _____, 2024.

Notary Signature_____

Notary Public, State of _____

County of _____

My Commission Expires_____

Part 1 GENERAL

1.01 SECTION INCLUDES

- A. Single-sided LED football scoreboard

1.02 REFERENCES

- A. Standard for Electric Signs, UL 48
- B. Standard for CSA C22.2 #207
- C. Federal Communications Commission Regulation Part 15
- D. National Electric Code

1.03 SUBMITTALS

- A. Product data: Submit manufacturer's product illustrations, data and literature that fully describe the scoreboards and accessories proposed for installation.
- B. Shop drawings: Submit mechanical and electrical drawings.
- C. Maintenance data: Submit manufacturer's installation, operation, and maintenance manuals.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Product delivered on site
- B. Scoreboard and equipment to be housed in a clean, dry environment
- C. Must be installed and operational by August 1, 2024

1.05 PROJECT CONDITIONS

- A. Environmental limitations: Do not install scoreboard equipment until mounting structure is secure and concrete has ample time to cure.
- B. Field measurements: Verify position and elevation of structure and its layout for scoreboard equipment. Verify dimensions by field measurements.
- C. Verify mounting structure is capable of supporting the scoreboard's weight and windload in addition to the auxiliary equipment.
- D. Installation may proceed within acceptable weather conditions.
- E. Installation will be coordinated by the District.

1.06 QUALITY ASSURANCE

- A. For outdoor use
- B. Source Limitations: Obtain each type of scoring or related equipment through one source from a single manufacturer.
- C. ETL listed to UL 48
- D. NEC compliant
- E. FCC compliant
- F. ETLC listed to CSA 22.2 #207

1.07 WARRANTY

- A. Provide 5 years of no cost parts exchange including standard shipping on electronics parts and radios due to manufacturing defects
- B. Provide toll-free service coordination
- C. Provide technical online and phone support during normal business hours

Part 2 PRODUCTS

2.01 MANUFACTURER

- A. Daktronics
- B. Nevco
- C. Approved Alternate

2.02 SCOREBOARD

- A. Model should be equivalent to Daktronics Model FB-2021
- B. Scoreboard should fit on the district's current scoreboard infrastructure
- C. LED Color: White
- D. Programmable Team Name Message Centers (provide price as alternate)

2.03 SCORING CONSOLE

- A. Scores multiple sports using changeable keyboard inserts
- B. Recalls clock, score, and period information if power is lost
- C. Tabletop controller, case, and wireless receiver to communicate with scoreboard/controller
- D. Backup controller
- E. Accessory Equipment
 - 1. 2.4 GHz spread spectrum radio system with frequency hopping technology and 64 non-interfering channels; system includes a transmitter installed inside the console and a receiver installed inside the scoreboard(s)

2.04 DECORATIVE ACCENTS

- A. 25' Aluminum Arch truss with logo with screen backing and non-backlit lettering (provide price as alternate)

Part 3 EXECUTION

3.01 EXAMINATION

- A. Verify that mounting structure is ready to receive scoreboard. Verify that placement of conduit and junction boxes are as specified and indicated in plans and shop drawings. Verify concrete has cured adequately according to specifications.

3.02 INSTALLATION

- A. All power and control cables to scoreboards and displays will be routed in conduit. Power to the scoreboards/displays as well as raceways shown on electrical plans by the Electrical Contractor. Scoreboard control wiring including conduit will be the responsibility of the contractor assigned the scoreboard equipment.
- B. Install scoreboards and exterior displays to beams in location detailed and in accordance with manufacturer's instructions. Verify unit is plumb and level.
- C. Installation will be coordinated by the District.

3.03 INSTALLATION—CONTROL CENTER

- A. Provide boxes, cover plates and jacks in locations per plans.

- B. Test connect control unit to all jacks and check for proper operation of control unit, scoreboard and all features. Leave control unit in carrying case and other loose accessories with owner's designated representative.
- C. Verify earth ground does not exceed 15 ohms.

Part 1 GENERAL

1.01 SECTION INCLUDES

- A. Single-sided LED soccer scoreboard

1.02 REFERENCES

- A. Standard for Electric Signs, UL 48
- B. Standard for CSA C22.2 #207
- C. Federal Communications Commission Regulation Part 15
- D. National Electric Code

1.03 SUBMITTALS

- A. Product data: Submit manufacturer's product illustrations, data and literature that fully describe the scoreboards and accessories proposed for installation.
- B. Shop drawings: Submit mechanical and electrical drawings.
- C. Maintenance data: Submit manufacturer's installation, operation, and maintenance manuals.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Product delivered on site
- B. Scoreboard and equipment to be housed in a clean, dry environment
- C. Must be installed and operational by August 1, 2024

1.05 PROJECT CONDITIONS

- A. Environmental limitations: Do not install scoreboard equipment until mounting structure is secure and concrete has ample time to cure.
- B. Field measurements: Verify position and elevation of structure and its layout for scoreboard equipment. Verify dimensions by field measurements.
- C. Verify mounting structure is capable of supporting the scoreboard's weight and windload in addition to the auxiliary equipment.
- D. Installation may proceed within acceptable weather conditions.
- E. Installation will be coordinated by the District

1.06 QUALITY ASSURANCE

- A. For outdoor use
- B. Source Limitations: Obtain each type of scoring or related equipment through one source from a single manufacturer.
- C. ETL listed to UL 48
- D. NEC compliant
- E. FCC compliant
- F. ETL listed to CSA 22.2 #207

1.07 WARRANTY

- A. Provide 5 years of no cost parts exchange including standard shipping on electronics parts and radios due to manufacturing defects
- B. Provide toll-free service coordination
- C. Provide technical online and phone support during normal business hours

Part 2 PRODUCTS

2.01 MANUFACTURER

- A. Daktronics
- B. Nevco
- C. Approved Alternate

2.02 SCOREBOARD

- A. Model should be equivalent to Daktronics Model MS-2002
- B. Scoreboard should fit on the district's current scoreboard infrastructure
- C. LED color: White
- D. Programmable Team Name Message Centers (provide price as alternate)

2.03 SCORING CONSOLE

- A. Scores multiple sports using changeable keyboard inserts
- B. Recalls clock, score, and period information if power is lost
- C. Tabletop controller, case, and wireless receiver to communicate with scoreboard/controller
- D. Backup controller
- E. Accessory Equipment
 - 1. 2.4 GHz spread spectrum radio system with frequency hopping technology and 64 non-interfering channels; system includes a transmitter installed inside the console and a receiver installed inside the scoreboard(s)

2.04 DECORATIVE ACCENTS

- A. 16' Aluminum Arch truss with logo with screen backing and non-backlit lettering (provide price as alternate)

Part 3 EXECUTION

3.01 EXAMINATION

- A. Verify that mounting structure is ready to receive scoreboard. Verify that placement of conduit and junction boxes are as specified and indicated in plans and shop drawings. Verify concrete has cured adequately according to specifications.

3.02 INSTALLATION

- A. All power and control cables to scoreboards and displays will be routed in conduit. Power to the scoreboards/displays as well as raceways shown on electrical plans by the Electrical Contractor. Scoreboard control wiring including conduit will be the responsibility of the contractor assigned the scoreboard equipment.
- B. Install scoreboards and exterior displays to beams in location detailed and in accordance with manufacturer's instructions. Verify unit is plumb and level.
- C. Installation will be coordinated by the district.

3.03 INSTALLATION—CONTROL CENTER

- A. Provide boxes, cover plates and jacks in locations per plans.
- B. Test connect control unit to all jacks and check for proper operation of control unit, scoreboard and all features. Leave control unit in carrying case and other loose accessories with owner's designated representative.

C. Verify earth ground does not exceed 15 ohms.

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. LED matrix display

1.02 REFERENCES

- A. Standard for Electric Signs, UL 48
- B. Standard for CSA C22.2 #207
- C. Federal Communications Commission Regulation Part 15
- D. National Electric Code

1.03 SUBMITTALS

- A. Product data: Submit manufacturer's product illustrations, data and literature that fully describe the displays and accessories proposed for installation.
- B. Shop drawings: Submit mechanical and electrical drawings.
- C. Maintenance data: Submit manufacturer's installation, operation, and maintenance manuals.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Product delivered on site
- B. Display and equipment to be housed in a clean, dry environment
- C. Must be installed an operational by August 1, 2024

1.05 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install display equipment until mounting structure is secure and concrete has ample time to cure.
- B. Field Measurements: Verify position and elevation of structure and its layout for display equipment. Verify dimensions by field measurements.
- C. Verify mounting structure can support the display's weight and wind load in addition to the auxiliary equipment.
- D. Installation may proceed within acceptable weather conditions

1.06 QUALITY ASSURANCE

- A. For outdoor use
- B. Source Limitations: Obtain each type of electronic display through one source from a single manufacturer.
- C. UL listed to UL 48
- D. cUL listed to CSA 22.2 #207
- E. FCC compliant
- F. Installed per NEC

1.07 WARRANTY

- A. Provide 5 years of no cost parts exchange including ground shipping on electronics parts due to manufacturing defects. Depending on the circumstances and vendor discretion.
- B. Provide toll-free service coordination.
- C. Provide technical online and phone support during normal business hours.

PART 2 - PRODUCT

- 2.01 MANUFACTURER
 - A. Daktronics
 - B. Nevco
 - C. Approved Alternate

- 2.02 COMMUNICATION TYPE
 - A. Fiber Optic (50/125 μ m multi-mode)

- 2.03 PRODUCT
 - A. LED matrix displays show live and recorded video clips, real-time scores/stats, animations, graphics, and text messages. Modules feature 3 through-hole LEDs per pixel (1 red, 1 green, 1 blue) with 16mm row and column spacing.

- 2.04 DISPLAY
 - A. General information
 - 1. Football Field
Cabinet Dimensions: 9.19' (2.80 m) high, 25.00' (7.62 m) wide, 11.0625" (281 mm) deep
 - 2. Soccer Field
Cabinet Dimensions: 7.88' (2.40 m) high, 14.44' (4.40 m) wide, 11.0625" (281 mm) deep
 - B. Cabinet Paint Color
 - 1. Standard: Semi-gloss black on sides only
 - C. Construction
 - 1. All-aluminum construction for light weight and corrosion resistance
 - 2. Service Access: Front or Rear
 - D. Display Capabilities
 - 1. Color Capacity: 16 bit (281 trillion colors)
 - 2. LED Refresh Rate: 4800 Hz as defined by the number of times per second the LED image is repainted in intensity
 - E. Viewing Characteristics
 - 1. Module Intensity: 9500 nits (adjustable)
 - 2. Brightness Control: 256 levels (manual, scheduled or automatic)
 - 3. Suggested Viewing Angle: 160° horizontal and +25°/-40° vertical
 - F. Pixel Characteristics
 - 1. Pixels with an overbalance of one color (e.g. 2 red, 1 green, 1 blue) are not acceptable.
 - 2. Pixel spacing measurement must be measured from the center points of neighboring physical pixels, rather than neighboring physical and virtual pixels.
 - a. Pixel pitch is to be 16mm or better
 - G. LED Module Characteristics
 - 1. Module shall be for outdoor use.
 - 2. Module shall have anti-reflective paint or coating applied to display face.
 - 3. Modules shall have horizontal louvers running between LEDs or pixels.
 - 4. Modules shall be able to be removed and installed from both the front and rear of the display.
 - 5. It is not necessary to remove or insert screws in order to remove or install modules.
 - 6. Module shall possess a 100% waterproof seal.
 - H. Video Processing
 - 1. Video Frame Rate: 50/60 frames per second
 - 2. Graphic Frame Rate: 30 frames per second

3. System Architecture: 100% digital
 4. Video Enhancement: Color space conversion, adjustable gamma correction
 - I. LED Quality
 1. Quality Control: Sorted by intensity and color wavelength
 2. LED Lifetime: 100,000 hours of operation as defined by time at which display intensity has decreased to 50 percent of the original intensity
 - J. Display Interface
 1. The full-color video display must be able to interface and display real-time data from the control system without the need for a duplicate or redundant input.
- 2.05 1 VIDEO INPUT CONTROL SYSTEM
- A. Equipment Rack
 1. Sized appropriately for system components.
 - B. Media Player
 1. Provide a Digital Media Player (DMP).
 2. Resolution: Up to 1080p
 3. Video Input: HDMI
 4. Video Output: DisplayPort or HDMI to Video Image Processor
 5. Audio Output: balanced 3-pin XLR
 6. Networking: 10/100/1000 Ethernet
 - a. School to provide network connection
 - C. Video Processor
 1. Provide a Video Image Processor (VIP).
 2. Video Input: DP, HDMI
 3. Video Output: MM Fiber or Media Convertor
 4. Color space conversion: Proprietary LED conversion
 5. Networking: 10/100/1000 Ethernet
 - a. School to provide network computer
- 2.06 CONTROL COMPUTER
- A. Laptop/Desktop
 1. Operating System: Windows® 10/11 Pro 64
 2. Processor: Intel® Core™ i5 or better
 3. Memory: 16 GB RAM
 4. Hard Drive: SSD or NVMe 500 GB or greater
 5. Form Factor: Laptop or Desktop (SFF or USDT)
- 2.07 CONTROL SOFTWARE
- A. Manufacturer must provide a Windows® 10/11 based computer with the control software loaded, configured, and ready to control display at startup.
 - B. The display's control software must provide simple, user-friendly features for creating, editing, scheduling, running and deleting messages.
 - C. Display Software features:
 1. Direct control of an infinite number of displays located on a network
 2. Simultaneous display and edit capability.
 3. Content playlists with loop, shuffle, random and next play functionality

4. Thumbnail preview of content clips
 5. Onscreen display monitor
 6. Unlimited, color-coded buttons with adjustable sizes
 7. Multiple operator workspaces
 8. Support input devices such as a mouse, keyboard, touch screen, and dual monitor
 9. Icon and pull-down menu programming features
 10. Help screens
- D. Content Editor Software features:
1. Display of TrueType fonts and other Windows® compatible character fonts
 2. Inline text editing
 3. Outlined, Drop shadowed, Bold, Italic, and Underlined text modes
 4. Ability to copy and paste text from most Windows applications
 5. Import common image and animation formats, including BMP, JPEG and AVI
 6. Content preview
 7. Content layering
 8. Real-time data (RTD) integration allows operators to create messages with information that automatically updates without user intervention. Such data may include scores, game time, player/team statistics, time-of-day, date or temperature.
 9. Multiple transition effects for entry, hold and exit

2.08 SCORING CONTROL SOFTWARE

- A. Modern interface allows control via provided laptop and/or touchscreen tablet.
- B. Score the following sports:
 - Football
 - Soccer
- C. Create team profiles, rosters, and matchups ahead of game time.
- D. Assign common or custom rule profiles to fit the level of play.
- E. Seamlessly switch between scoring the game and changing display content with Display Software Hot Buttons:
 1. Manually play content directly from the Scoring Control Software.
 2. Automatically play content via game triggers, such as when a team scores.
- F. Multiple data outputs send Real-Time Data (RTD) to video displays and control fixed-digit numeric scoreboards.
- G. Create custom color schemes for different teams/operators.
- H. Support for tactile start/stop switches ensures precise timing during critical moments.

2.09 DECORATIVE ACCENTS

- A. 25' Aluminum Truss with logo with screen backing and non-backlit Lettering
- B. 14.5' Aluminum Truss with logo with screen backing and non-backlit Lettering

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that mounting structure is ready to receive the display. Verify that placement of conduit and junction boxes are as specified and indicated in plans and shop drawings. Verify concrete has cured adequately according to specifications.

3.02 INSTALLATION

- A. All power and control cables to display will be routed in conduit. Power to the display as well as raceways shown on electrical plans by the Electrical Contractor. Display control wiring including conduit will be the responsibility of the contractor assigned the display equipment.
- B. Install display to beams in location detailed and in accordance with manufacturer's instructions. Verify unit is plumb and level.

3.03 INSTALLATION—CONTROL CENTER

- A. Provide boxes, cover plates and jacks in locations per plans.
- B. Test the operation of the display, controller and all control jacks; leave control unit and other loose items with owner's designated representative.
- C. Conduct operator training on the display/controller operation.
- D. Manufacturer must supply all required signal conversion hardware to allow for direct wire control of electronic display.