

# ADDENDUM NO. 1

<b>Project Owner:</b>	Anchor Bay School District
<b>Project Name:</b>	Classroom Multimedia Systems Upgrade
<b>Issue Date:</b>	April 11, 2025

*This Addendum No. 1 of the Technology Request for Bid for the above referenced project hereby amends, supplements and/or augments all prior issued document(s) as described herein, and becomes an inseparable part of the Contract Documents, superseding all previous, contrary and/or conflicting information.*

<b>AD1 - 1</b>	<p>Section 27 41 16.2.10 is hereby revised as follows:</p> <p><b>2.01 Configuration H - Flat Panel (IFP) Monitors- Wall Mounted SPECIAL</b></p> <p>A. <b>IFP</b> setups, as described in this section, shall be installed in locations noted on Appendix A.</p> <p><b>B. INTERACTIVE FLAT PANEL DISPLAYS</b></p> <ol style="list-style-type: none"><li>Interactive flat panel displays shall be provided and installed in locations as indicated in Appendix A.</li><li>Acceptable Manufacturers<ol style="list-style-type: none"><li>SMART<ol style="list-style-type: none"><li>MX 286- V5</li></ol></li><li>Or Equal</li></ol></li><li>Interactive flat panel (IFP) displays shall meet or exceed the following minimum standards:<ol style="list-style-type: none"><li>86” diagonal display.</li><li>Display shall be native 3840 x 2160, 16:9 resolution, 4K UHD</li><li>IFP shall have integrated speakers that meet or exceed the following performance standards:</li></ol></li></ol>
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	<ul style="list-style-type: none"><li>1. Two (2) integrated 20 W speakers</li><li>2. Integrated microphone array with support for onboard acoustic echo cancellation</li><li>d. System connectivity and functionality shall meet or exceed the following:<ul style="list-style-type: none"><li>1. PC input, 15-pin D-sub</li><li>2. PC audio, (3.5 mm)</li><li>3. HDMI Input. Minimum of two (2)</li><li>4. Ethernet 10/100 Mbps connection</li><li>5. Two (2) USB ports for touch connection of PC or Mac computers.</li><li>6. WiFi 802.11ac compliant module for each display.</li><li>7. Shall be adaptive to work with finger touch or pens.</li><li>8. Google EDLA Certified</li></ul></li><li>4. Management system shall be current, supported and usable by Owner administrative across all installed devices for the entire warranty period as defined herein as part of the base bid cost. Management system may be cloud based and/or premise based and must provide all management functionality for a first class compliant enterprise system.</li></ul> <p>C. FIXED POSITION PANEL MOUNTS</p> <ul style="list-style-type: none"><li>1. Fixed position panel mounts shall be provided and installed in locations as indicated in Appendix A.<ul style="list-style-type: none"><li>a. Acceptable Manufacturer(s):<ul style="list-style-type: none"><li>1. Chief OB1U</li></ul></li><li>b. Or equal</li></ul></li></ul> <p>D. DOCUMENT CAMERAS</p> <ul style="list-style-type: none"><li>1. Document cameras shall be provided and installed in locations as indicated in Appendix A.</li></ul>
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2. Acceptable Manufacturer(s):

a. IPEVO

1. VZ-R HDMI/USB

3. Document cameras shall meet or exceed the following requirements:

a. 8 MP Image sensor

b. Integral Microphone

c. Integral LED Light

d. USB Connectivity and power

E. COMMERCIAL FLAT PANEL DISPLAYS

1. Flat panel displays shall be provided and installed in locations as indicated in Appendix A, including all mounting brackets and plates necessary for a fully functional installed system.

2. Acceptable Manufacturer:

a. LG

1. 65UM340E

b. Or Equal

F. Flat panel displays shall meet or exceed the following standards:

a. Native Resolution 3840 X 2160

b. 250 nits

c. 3x HDMI

d. Wifi/ Bluetooth capable

e. 1xRJ45 Ethernet port

2. In the event of a power failure, system shall automatically re-initialize and “become active” to the last configuration with no human intervention.

3. All other features currently a part of the manufacturer’s latest

commercial release.

4. Flat panel displays shall include the appropriate commercial grade full motion mount, all mounting hardware, and cabling necessary for a fully functional system as noted herein.

5. Flat panel displays shall be configured to default to the input port(s) associated with the wireless casting device.

#### G. HDMI TRANSMISSION EQUIPMENT

1. HDBase-T transmit and receive pairs shall be provided and installed in locations where projectors are provided by Contractor.

2. Acceptable Manufacturers (in alphabetical order):

a. CRESTRON

b. EXTRON

c. KRAMER

d. Or Equal

3. HDMI Transmission Equipment shall meet or exceed all of the following requirements:

a. One (1) HDMI 4K/UHD input

b. One (1) fifteen-foot HDMI cable for device connection.

c. Matched HD-BaseT receiver to be mounted neatly and securely at the projector.

d. One (1) HDMI cable for IFP connection

e. Transmitter unit shall not require external power and must be powered solely through the HD-BaseT connection.

f. All other features currently a part of the manufacturer's latest commercial release.

g. HDMI transmission equipment shall be installed securely and neatly

#### H. WIRELESS PRESENTATION DEVICE

1. Acceptable Manufacturers:

- a. Screen Beam 1000

2. Wireless Casting Devices shall meet or exceed the following standards:

- a. Output Resolution: 2160p60/30, 1080p FHD 60/30, 720p
- b. Supported devices: iOS, iPadOS, Android, Windows, macOS, Chrome OS
- c. Protocols supported: iOS, iPadOS, Android, Windows, macOS, Chrome OS
- d. Network protocols: TCP/IP, HTTP, HTTPS, SNTP/NTP, SSL, SSH, UDP
- e. Security Encryption: WEP, WPA2, WPA2 Enterprise or IEEE 802.1x
- f. Must include power supply, and all necessary video and interface cabling to connect to the equipment specified herein.

*1. Appropriate accommodations shall be made to assure one single wireless casting device can provide the same HDMI video signal to all video devices (**IFP** and flat panel monitors) in this configuration simultaneously. Only one (1) wireless casting device is expected for each space receiving this configuration.*

- g. Setup and configuration shall be completed by installer in a manner approved by owner.
- h. In the event of a power failure, system shall automatically re-initialize and “become active” to the last configuration with no human intervention.
- i. All other features currently a part of the manufacturer’s latest commercial release.
- j. Wireless casting devices shall be mounted neatly and professionally at video projector or flat panel display location.

I. MULTIMEDIA INPUT LOCATION

- 1. One (1) multimedia input location shall be provided for the purpose of the instructor displaying content from their device on all video displays, in the location of the current “teacher station”. Where location

is in question, final location to be approved by Owner, or Designer.

2. Acceptable Manufacturer(s)

1. Crestron

2. Extron

3. Kramer

4. Q-SYS

5. Or Equal

b. Wall input to be installed in provided single or double gang box, at location noted on map included within. Contractor shall supply stainless steel plate for fully finished installation.

c. Contractor shall supply correct in-plate transmit and receive equipment to extend input location to supplied AV over IP encoder.

d. Contractor will supply all necessary AV over IP decoder equipment to connect supplied projector.

e. AV over IP units shall properly scale input image to projector to optimal resolution.

f. Contractor shall supply all necessary equipment to assure the same HDMI content is displayed simultaneously on all video output devices (IFP and flat panel displays).

*1. Appropriate accommodations shall be made to assure one single HDMI input source can provide the same HDMI video signal to all video devices (IFP and flat panel monitors) in this configuration simultaneously. Only one (1) multimedia input location is expected for each space receiving this configuration.*

g. Input plate shall include One (1) HDMI port.

3. Multimedia input locations should include the appropriate “wire chase” or wiremold solution to complete a clean and professional install from the IFP location to the noted multimedia input/ teacher station location. Wire chase/ wiremold option shall be suggested by Contractor, and approved by Owner, or Owner’s designated representative.

4. Multimedia input locations shall include a 15’ HDMI cable for the purpose of connecting the instructor’s device to the multimedia input

location.

**J. SURGE PROTECTOR**

1. All classrooms receiving new video projectors shall receive new surge protection power strips.
2. Contractor shall supply surge suppressed power strip installed at monitor location for connection of video display devices. Power strip shall contain six (6) grounded AC power connectors. Surge strip(s) shall be installed at the flat panel monitor location(s).
  - a. Acceptable Manufacturers:
    1. Belkin SRA008
    2. Tripp-Lite TLP606B
    3. Or equal

END OF ADDENDUM NO. 1