



Addendum # 2

To: Interested Vendors
From: Plante Moran
Date: January 4, 2023
Re: Grosse Pointe Public Schools System – Large Area AV Systems RFP

Section 1 – Revision of RFP documents

Section 2 – Changes, clarifications, questions, and additions to the Scope of Work

SECTION ONE - Revision of documents and additional documents

In light of the recent federal ban on technologies/telecommunications equipment from various Chinese manufacturers, please confirm that your proposal contains no components from a prohibited manufacturer and is compliant with federal law. Please make this statement in your bid response Executive Summary.

SECTION TWO - Clarifications and Questions and Answers received by January 3, 2023

QUESTION

In GP North Gym you are wanting 2 HDMI Tx boxes below the new screen. These Tx's will run to the back of the gym to the existing rack to the Rx's, is this correct?

ANSWER

This is correct.

QUESTION

How is it intended to go from the (2) Rx's in the rack to the cart that is in the middle of the Center floor that has the projector on it?

ANSWER

The two HDMI Rx receivers in the rack and the two HDMI Tx transmitters on the wall are to provide a signal path from the projector cart to the rack, using the CAT6 cables that are to be installed from the wall below the screen to the rack. This will be an audio pathway from the projector cart to the rack and a future video pathway. As part of your response provide an HDMI cable from the cart to the wall.

QUESTION

If the HDMI wireless receiver is in the rack at GP North gym how is the signal to get to the projector?

ANSWER

This was incorrectly stated in Addendum 1. The HDMI wireless receiver should be on the projector cart.

QUESTION

In most places you have 3 HDMI sources that have to feed to 2 projector inputs.

HDMI 1 front right

HDMI 2 front left

HDMI wireless

Is it your intention that we include a auto sensing HDMI switcher to feed the projector?

ANSWER

The intent was that the wireless HDMI would be used in place of a local laptop input. That being said, an auto sensing HDMI switcher is a great idea. Please include one at each location as a voluntary alternate.

QUESTION

It appears that at Pierce MS Auditorium and Brownell we are only adding the 2 wireless to the existing audio system. Are there sufficient audio inputs to the mixer? Do you know what audio mixer this is?

These locations do not call out new audio systems.

However; additionally there will need to be audio from the (2) HDMI extenders and the Wireless HDMI Transmitter to feed the audio system. If a video switcher is added to the scope then one audio output from the switcher will provide audio.

ANSWER

The existing audio system will support the audio function of the wireless microphones. The wireless HDMI is primarily for video but you can propose a video switcher to consolidate the wireless audio as a voluntary alternate.

QUESTION

Reviewing the 17 inch display requirement for Brownell, did you have a specific display model in mind? Is it a name brand? A lot of the displays I'm finding won't match the projector format required for this job. Please advise.

ANSWER There is a model listed in the RFP. Since we have a projector base bid requirement for WUXGA and an alternate for 4K the monitor input format may have to be adjusted, depending on what is awarded. This will be done after the award.

QUESTION - SPEAKERS

In an earlier inquiry about speakers you responded saying that the speakers should be able to generate a minimum of 105dB SPL and have a frequency range of 40Hz to 20kHz. In review we have a few more questions.

1. Is the 105dB the desired minimum SPL at a listening location or the minimum SPL output of the speaker?
2. Is the frequency response at +/- 3dB or +/- 10dB?

Looking over the original manufacturers you called out there seems to be a limited number of solutions that can meet this performance criteria and those that do are at a very high price premium. Is there a specific speaker model that was a design reference that drove to these specs? The various system throughout the district have a variety of speaker solutions already installed that were probably specifically designed for performance and coverage. Not knowing those original design parameters and not having a target speaker model to aim for can result in replacing speakers with new ones that may not meet the performance of the old ones.

ANSWER

The RFP asks for specific manufacturers or an approved equal. In addition you can propose different speakers as a voluntary alternate. The 105 dB SPL and frequency range of 40Hz to 20kHz are general requirements. The intent is to have even sound level coverage of each area that can be adjusted for good performance at

athletic events and for other activities, such as theatrical or assembly events. The number of speakers and the specifications of an individual speaker are not given since the number, placement and type of the speaker is up to the vendor to design.

North High School – Sound System

QUESTION

The existing digital signal processor has automatic feedback suppression. Is this an Owner requirement for maintaining existing system functionality?

ANSWER

Feedback suppression is required. Automatic feedback suppression is desired.

QUESTION

Are there any Owner requirements to provide any additional outputs on the new digital processor for future expansion such as hearing assistance and/or audio program outputs for video?

ANSWER

There are no requirements for additional outputs. If there are additional outputs available on the system you are proposing please note that in your response.

QUESTION

Considering the reverberate nature of the space, the coverage directivity of the existing (8) EV Delta-Max DML-1122 speakers is 80x55 degrees. Confirm that the new speaker system shall provide the same relative coverage and directivity as the existing speaker system?

ANSWER

Vendors have freedom to design the speaker system. See the answer above regarding speaker design, coverage and type.

South High School – Sound System

QUESTION

Note: In reference to Addendum #1 RFI #14, it states that the existing system processing is using four outputs which is incorrect. The existing two digital signal processors provide (1) 2in x 2out and (1) 4in x 8out which provide a total of 10 outputs.

ANSWER

The new system needs to equal or exceed the existing system.

QUESTION

The existing digital signal processors have automatic feedback suppression. Is this an Owner requirement for maintaining existing system functionality?

ANSWER

Feedback suppression is required. Automatic feedback suppression is desired.

QUESTION

The existing two digital signal processors have a total of 10 outputs which correspond to providing independent delay and mute control of 10 speaker zones. Are there any Owner requirements to provide any additional outputs for future expansion such as hearing assistance and/or audio program outputs for video?

ANSWER

There are no requirements for additional outputs. If there are additional outputs available on the system you are proposing please note that in your response.

QUESTION

Confirm that the existing digital signal processor and (3) rack line inputs, when in performing arts preset modes provide simultaneous delay and routing for two different delay perspectives, 1) performers on the

stage and 2) performers on the court using portable speakers. Confirm that new digital signal processing system should be capable of providing cross matrix delays and routing to maintain existing functionality?

ANSWER

The new system must maintain existing functionality. The new DSP system should be versatile enough to perform the existing delay and routing functions.

QUESTION

Considering the reverberate nature of the space, the coverage and directivity of the existing speakers is as follows: Front Stage/Court: (2) EV Delta-max DMS-1122 85x55 degrees, Rear Court (2) SX500 75x60 degrees, Lower Bleachers (8) EV FRi 122/64 60x40 degrees, and Upper Bleachers (8) JBL 12SR 90x40 degrees. Confirm that the new speaker system shall provide the same relative coverage and directivity as the existing speaker system?

ANSWER

See QUESTION – SPEAKERS above

QUESTION

In the Brownell auditorium we are asked to replace the Kramer VP728 switcher.

Do they want this replaced with the same?

What sources does this switch?

Is this intended to switch the (2) HDMI inputs from the stage and the wireless HDMI?

ANSWER

The primary reason for replacing the existing Kramer switcher is age and its inability to support the required video resolution of the new projector. The replacement switcher should have the same or better functionality and support up to 4K video.

- End of Addendum 2 -