

McKinney Independent School District

#1 Duvall Street, McKinney, Texas 75069

To: Board of Trustees
From: Shawn Pratt, Superintendent
Subject: McKinney Boyd High School Audio System Renovations
Date: June 29, 2026

Earlier this year the Performing Arts Department contacted the Facilities Department to secure bids for the renovation of the outdated Audio System at McKinney Boyd High School (MBHS). The original audio system was installed in 2007. The district retained the services of BAI Acoustics and AV Design Consultants to design the replacement audio system. The new system includes demolition of the existing system as well as new equipment racks, all required audiovisual network and cabling, digital processing system, wireless microphone systems, line array loudspeakers and sub-woofers, center-fill loudspeaker, digital mixing console, amplifiers, stage monitor amplifiers and loudspeakers, wired production intercom system, wired production intercom system, audio playback and recording gear, lobby and back of house sound systems, audiovisual control system, and all loose miscellaneous equipment and components required to install and operate the system as designed.

This proposed project will replace the sound reinforcement system originally installed in the Auditorium. This new system is designed to reinforce and amplify music and speech from the stage and provides an even sound coverage to all seats in the audience. This includes jazz band, musical theater, presentations, and general program music.

The board members may recall that in 2022 the district retained BAI to investigate acoustical issues at the MBHS Auditorium. At that time BAI designed an Acoustic Enhancement System (AES) at MBHS that was designed to electronically enhance the natural acoustics of the auditorium and stage for unamplified performances and rehearsals, including band, choir, and orchestra ensembles. Due to the original auditorium design BAI determined that the "shape" of existing side walls and ceilings were causing sound echoes and flutter across the auditorium. They determined that the most cost-effective correction of the design issues was the installation of the AES system. The system electronically adds reverberation and early reflections to unamplified music to enhance and modify the natural acoustics of the space. These enhancements were essential to the MBHS auditorium's ability to host music performances because of the space's relatively short reverberation time and side wall design (which naturally created detrimental reflections). Other items included in the 2022 project were on-stage speakers and microphones that enhance the musician's experience and create an "artificial" orchestra shell to allow the musicians to properly hear each other during performances.

Please note that the new Audio System Renovations does not replace any part of the 2022 AES system, but it merges both projects together and completes the overall acoustical and audio design for the auditorium.

Utilizing Construction Documents prepared by BAI, the project was sent out for bidding. The district received two bids from district approved vendors using state approved cooperative purchasing contracts.

Ford Audio-Video Systems, LLC TIPS 230901	.	\$ 495,244.00
Digital Resources, Inc. Bid includes a \$15,000 contingency TIPS 260105 and 230901		\$ 361,564.02

After a through review of the bids, the district determined that the bid from Digital Recourses, Inc. provided the best value to the district. The district would like to add a \$15,000 contingency to Digital Resources, Inc. Proposal for any unforeseen site conditions. Including the contingency, the projected total cost of the project will be **\$376,820.02.**

Impact Statement: N/A

It is recommended: The Board approve the McKinney Boyd High School Audio System Renovations as presented.

Resource Person(s): Greg Suttle and Jared Critchfield

Respectfully submitted,

Shawn Pratt
Superintendent

Greg Suttle
Chief Operations Officer