2. Existing Conditions and Recommended Improvements (cont.)

DISTRICT-WIDE SYSTEMS

System Grading key appears on page 17.

The *10-Year Roadmap* includes Rough Order of Magnitude cost estimates to implement these recommendations.

COMMUNICATIONS SYSTEMS

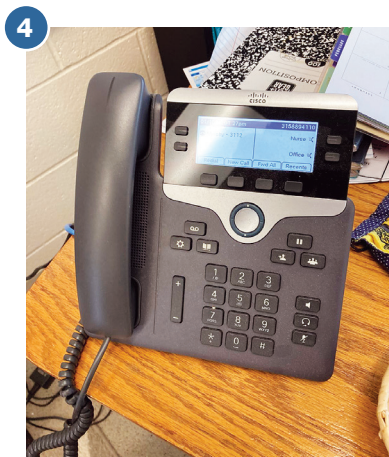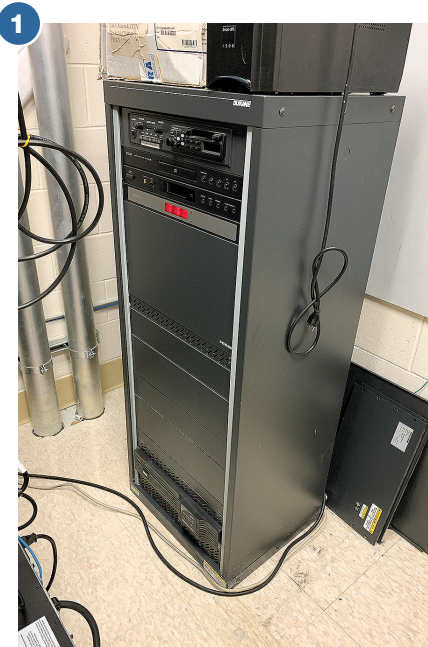**CURRENT GRADE**

1.6 out of 4.0

RECOMMENDATIONS

- Replace building PA systems.
- Evaluate 911 call routing.
- Integrate lockdown messaging with Phone, PA and Security systems.
- Ensure all large assembly areas comply with ADA Listening Assist requirements.

SYSTEM	SYSTEM GRADE	SYSTEM CATEGORY	CURRENT CONDITION	RECOMMENDED IMPROVEMENTS
Public Address (PA)	2	General Notes	The district's analog PA systems are at End-Of-Life.	1. Replace the PA system with a full IP or IP/analog system as per the *CTP Roadmap*. 2. Evaluate coverage when designing the new system. 3. Ensure the new system equipment is connected to emergency power.
		Coverage	Current coverage is adequate.	
		Standby Power	None on current system.	
		Bell Schedule	• Managed by building Master Clock systems. • Barclay Bells are activated manually.	
		Initiation Location	Push-to-talk microphones and phone interfaces are used.	Upgrade to IP equipment with the PA system upgrade.
Phone	4	General Notes	A VoIP-based Cisco system and handsets are in use with a break/fix refresh policy that meets district needs.	No recommendations at this time.
		Telephone Location	Cisco VoIP handsets are installed in all classrooms.	Maintain an inventory for break/fix cases.
		Admin Access to Outside Lines	All administrators have DID numbers.	No recommendations at this time.
		Voicemail	The current voicemail system is satisfactory.	No recommendations at this time.
		911 Calls	Any 911 outbound calls alert campus security.	911 calls should also alert designated building administrators.
		Standby Power	Equipment in MTR is connected to building generators.	No recommendations at this time.
Master Clock	2	General Notes	A mix of wireless Primex and wired Simplex clocks are used throughout the district.	Upgrade the Master Clock system per the *CTP Roadmap*.
		Coverage	Current capabilities meet district needs.	Clock systems should be integrated with any upgrades to IP/PA system to maintain seamless integration with the Bell Schedule.
		Time Sources		
		Bell Schedule Sync		
Lockdown	0	Automated Messaging	The district lacks this capability.	Upgrade the phone system to include emergency notification software and integrate with the new PA system.
Performance Sound Reinforcement*	0	ADA Assistive Listening Support	ADA compliant devices are not available district wide.	Review ADA requirements for large group assembly areas and procure appropriate equipment.
		Auto-mute	No auto muting or takeover of performance sound systems was observed.	Install automute/ducking relays as part of the PA update project per the *10-Year Roadmap*.

Photos below, left to right:

1. *Outdated PA headend in the MTR.*
2. *A Large Group Instruction Audio-Enhancement system in the HS.*
3. *An analog clock in a High School corridor.*
4. *A Cisco VoIP handset on a teacher's desk.*

* Audio system devices were only surveyed for presence and systems interoperability. The effectiveness of these systems is beyond the scope of this survey. A more comprehensive survey of district audio systems could be part of an audio assessment conducted by a qualified firm.