

Executive Summary for Titus County Commissioners' Court (10 Sept. 2018)

Project: Sound and Projection System for Titus County AgriLife Building

Summary

The project proposes to install permanent audio amplification and video projection equipment in the Titus County AgriLife building to:

- Improve audio volume and clarity in the facility,
- Replace failing video projection equipment,
- Provide future audio flexibility and recording capability for events, such as Town Hall meetings, and
- Provide future exterior audio capability to the grounds around the existing building.

The projected budget is \$2000 for equipment only. Installation will be accomplished by volunteers.

Projected completion is within three months from budget approval and funding.

Expenditures (all values approximate)

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| 4 wireless microphones (hand-held and head-mounted) and receiver system | \$400 |
| Amplification system – 5 audio inputs; 70v speaker output | \$400 |
| 14 ceiling-mounted speakers (with grill) and suspended-ceiling support hardware | \$400 |
| Wall-mounted steel cabinet for 19" rack-mounted audio equipment and storage | \$300 |
| Power distribution, surge protection, and microphone battery recharge | \$200 |
| Video mounting hardware, cables, wires, connectors, etc. | \$300 |

The major components will be sourced through vendors on Amazon.com.

Weatherproof exterior audio horns, two on each corner of the building, would add \$500 to the project cost.

Electrical

Not included in this project is the required installation of a separate 15-amp circuit from the main breaker panel to the equipment cabinet

All other wiring will be low current / low voltage audio or video and run above the ceiling tiles or in an exterior wall. Sound volume balancing is provided by transformers on each speaker and via a separate volume control in the kitchen space.

Computer and Video Projection

This project includes the installation of an existing laptop computer for audio playback and audio recording and video projection. An existing video projector will be ceiling mounted and cables run to permit projection from the installed laptop computer or from an externally provided computer.