AUDIOVISUAL PROFESSIONAL REPORT

HLWW HIGH SCHOOL

AUGUST 12, 2021

PROJECT INFORMATION

Howard Lake Waverly-Winstend has requested this Professional Design for the purposes of designing the lighting systems for the high school auditorium. This information and document are restricted for the private use of the customer identified. Customer agrees it will not disseminate copies of this document to any third party without the prior written consent of AVI. Sharing a copy of this document, or any portion of the document with any competitor of AVI is a violation of this confidentiality provision. If you are not the intended recipient of this quote, you are not properly in possession of this document and you should immediately destroy all copies of it. This information is to provide design services to HLWW's personnel only. Redistribution or sharing of this information is strictly prohibited.

DESIGN SUMMARY

The following system descriptions are based on the operational design requirements:

Theatrical Lighting Control:

- The core operational control of all theatrical lighting systems is the ETC NOMAD with accessories
  - The system core is a fixed PC with ETC EOS software.
  - The peripheral accessories include a dedicated Programming Wing and Motorized Fader Wing.
  - Two 24-inch touch displays.

Theatrical Lighting Fixtures:

- Stage lighting is comprised of moving and fixed-focus fixtures that will be controlled from the main lighting controller. All new LED fixtures will include clamp and safety cables.

Moving beam fixture
VariLite VL-1100

Moving Wash fixture
ROBE LED150

Fixed CYC fixture
Philips/Selecon PLCYC

No Image Available

High End Systems
Lonestar Profile
*Releasing 9/1

House Lighting Fixtures:

- The house lights consist of three types of LED fixtures – 6-inch pendant, 6-inch ceiling, and 4-inch ceiling. Pendant-type fixtures will provide the majority of the main auditorium lighting needs. The lights just above the stage thrust and orchestra area will consist of ceiling-mounted fixtures that include red/green/blue/white LED's. The balcony area will consist of 6-inch white LED fixtures in a single row.

Pendant Light
Meteor Atria-6

Ceiling Light
Meteor REV-6

House Lighting Control:

- The house lighting control will provide a simple button panel solution located in the same entry/exit positions and will be connected to a DMX processor that will operate the house lighting scenes. Additionally, two touch panels will be provided (one on stage and one in the control room) to provide detailed house and stage lighting scene control. A scene/cue server will provide the ability to control various functions without the main lighting control board.

Button Station, Touch Panel,
and Cue Server

Theatrical Rigging and Network Distribution:

- All new main pipe will be placed at the same locations of the existing dimming circuit raceways. All existing high voltage dimmed raceways will be removed as part of the project. All electrical work to be performed by a licensed electrician.
- The new rigging pipes will provide internal power and DMX distribution within the pipe and includes power and DMX outputs every 18-inches.
- Each batten will be equipped with a networked DMX node that provides managed DMX distribution to the fixtures associated with that batten. Each node may be remotely managed using free software.

MEGABATTEN 1-1/2" Distribution Pipe

Network to DMX Distribution Node

BUDGET SUMMARY

The following is a summary of the above categories for budget and planning uses. The summary budget is for equipment only and does not include labor and other associated services. Once a final equipment list is approved, requisite labor and other services will be added.

Category	Budget $
Lighting Control	$18,000
House Lighting	$75,000
House Lighting Control	$10,000
Theatrical Lighting Battens & Network/DMX Distribution	$32,000
Theatrical Lighting Fixtures	$150,000
Power, Ethernet, and DMX cabling, rack, hardware, materials	$12,000
Estimated Total Budget:	**$297,000**