

Lincoln Theatre Sound + Hearing Audio System Upgrade proposal

- **System Concept** – The systems that are included are designed to provide high quality audio for the main theatre floor and stage. Typical uses include Theatrical Performance, Musicals, and Live Music. Two PA manufacturers have been included. Particular care has been taken to provide systems that provide excellent coverage and conform to the needs of the varied use cases.
- **Common Equipment** – Each system includes the same mixing, control, and wireless options to make the proposals as similar as possible.
- **Yamaha QL5 Mixer and Rio Snake Boxes** – A Yamaha QL5 Digital Mixer with a 48 Channels of Dante based stage boxes. The QL5 mixer has an additional 32 inputs on the rear of the console itself for wireless, playback devices, and other devices. This mixing system has the capability of mixing a total of 64 channels at any one time. The console includes a full complement of parametric EQs, Compressors, Gates, And Premium Plugins. It also has seamless scene integration for easy theatrical use and programming. This console will be accepted by most professional musical acts that come through the venue as well.
- **BSS Processing** – A BSS Processor System is included for master EQ, alignment, and distribution. This system can be expanded to control the cinema system in the future if needed. It will also provide a basic control panel and mixing system for rehearsals where only a simple mic is needed.
- **Shure Wireless** – 24 channels of Shure QLXD Wireless Is included along with a professional rechargeable battery system. This will save huge amounts of money on expendable batteries and make operation for large theatrical performances more seamless. 24 belt packs and 2 handhelds are included along with antenna distribution and antennas. 24 Countryman headset mics are also included for musicals and theatrical performances.
- **Infrastructure Items** – These items include Juice Goose power sequencing, Middle Atlantic racks, cabling, and hardware.
- **JBL Main System** – This proposal is centered around the JBL VT4886 Line Array Module. This speaker is high-powered, dual 6", 3-way passive speaker system that is flown in a vertical array. 6 boxes will be installed per side with the included rigging hardware. These arrays will provide excellent coverage from the front to the back of the room. Additionally they will provide excellent rejection off the rear of the system. This will substantially reduce feedback issues with multiple of open headset mics. The arrays will be flown approx. 10-15' from the front lip of the stage to accommodate the larger stage extension for theatrical performances. JBL VT4883 Dual 12" subwoofers will be flown, 3 per side, behind the main arrays to provide low frequency punch and warmth.

These subs are the equivalent of a Dual 15" sub in frequency response and power handling. The JBL system is passive and will utilize high quality touring I-tech 3500HD amplifiers. These amplifiers provide 4 channels at 3500 watts apiece to insure that maximum volume can be achieved. These amps also include specialized FIR and IIR filters to maximize system performance! A small front fill system featuring JBL AC28 Dual 8" speakers is included to cover the first 15 feet of the seating area when it is in use. These speakers will be zoned in such a way so that you can use them when the thrust is not installed then turn them off when it is! They will be paired with a Crown DCI amp.

- JBL Monitor System – A monitor system option has been included to service touring acts and musicals. Six JBL STX812 compact wedge monitors are provided along with six mixes of amplification. A single STX818s sub is included as a drum sub along with amplification. Crown XTI4002 amps are provided to power all the monitors. Cabling and monitor connection plates are included as well!

- RCF Main System – This proposal is centered around the RCF HDL 10-A Powered Line Array Module. This speaker is high-powered, dual 8", 2-way active speaker system that is flown in a vertical array. 6 boxes will be installed per side with the included rigging hardware. These arrays will provide excellent coverage from the front to the back of the room. Additionally they will provide excellent rejection off the rear of the system. This will substantially reduce feedback issues with multiple of open headset mics. The arrays will be flown approx. 10-15' from the front lip of the stage to accommodate the larger stage extension for theatrical performances. RCF HDL-15AS Single 15" Powered subwoofers will be flown, 3 per side, behind the main arrays to provide low frequency punch and warmth. These subs include a high powered 15" driver that will provide plenty of energy for touring acts. A small front fill system featuring RCF HD-32-A dual 12" powered speakers is included to cover the first 15 feet of the seating area when it is in use. These speakers will be zoned in such a way so that you can use them when the thrust is not installed then turn them off when it is!

- RCF Monitor System – A monitor system option has been included to service touring acts and musicals. Six RCF ST12 SMA compact powered 12" wedge are included in this proposal. A single RCF 8004-AS powered 18" sub is included as a drum sub along as well. Siamese power and signal cables are provided for easy hookup. A power distro is included as well.

- Installation – Each of these proposals includes turnkey installation, training, and tuning. A 1 year warranty is included on the system of your choice as well.

Lincoln Theatre Mt Vernon - Audio System Options Quote 7/8/16

JBL Main System Option \$ 176,011.10

RCF Main System Option \$ 149,421.19

JBL Monitor Package \$ 16,114.53

RCF Monitor Package \$ 12,197.36

Audio Loop Proposal

At completion of the project, individuals with T-coil (telecoil-equipped) hearing aids and cochlear implants as well as those with induction loop receivers will enjoy high quality amplification of sound that is transmitted by the induction loop system.

Equipment:

- (2) SAT-III Induction Loop Assistive Listening system
- Belden custom shielded wire or special Induction Loop wire
- (2) Induction Loop Receiver with Headphones
- Induction Loop Notice Wall Sign
- Caulking, Fasteners, Glues & Misc. Hardware

Installation

- Wire is precision mounted and installed
- System installed and merged with any existing equipment
- Preliminary test check for audio
- Permanently affix wire
- Run Final test check of audio
- Sound rate and certify room for the Induction Loop system
- Install sign and any portable equipment
- Education of system operations

The end result will be a virtually 'invisible' application incorporating our product with the existing structures and materials currently on site. All existing equipment necessary for the use of the Induction Loop System will be incorporated into the basic set-up and installation. The rooms will be sound rated with a certificate of conformity after final testing.

Quote \$5,745.00

Note that this proposal only includes two Induction Loop Receivers with Headphones.