

**PHILIPS PAVILION AV
BUDGETARY ESTIMATE
2-DISPLAYS + 2 CAMERAS OPTION**



OKLAHOMA
Office of Management
& Enterprise Services

02.23.22

PROPOSED DESCRIPTION OF WORK

Ford shall provide and install the following audio-video system remodel components in the Phillips Pavilion at Governor's Mansion complex of Oklahoma City, Oklahoma (Customer):

1. PHILLIPS PAVILION AV

- a. The following new components shall be provided and installed in existing gov't-furnished equipment (GFE) wall-rack: (all unneeded existing equipment shall be uninstalled and turned over to customer)
 - 1) One (1) digital AV switcher/processor
 - 2) One (1) audio DSP w/ Dante
 - 3) One (1) AV network switch
 - 4) One (1) 4-channel digital wireless mic receiver
 - 5) One (1) audio amplifier
 - 6) One (1) GFE small form factor Win10 PC (w/ wireless keyboard/mouse kit)
 - 7) One (1) 10" color wired touchpanel programmed to control:
 - 1) System on/off
 - 2) Source Routing (1 laptop or rack PC to either/both displays)
 - 3) Audio level
- b. One (1) 130" (diagonal) 1.5mm pixel-pitch direct view LED display shall be provided and installed via fixed mount on both the NE and SW wall sections and connected to switcher in AV rack via HDBT input and cat6 STP wiring. (2 total)
 - 1) One (1) 1-gang HDMI-over-CAT6 TX input plate shall be provided and installed at outlet height near NE display and connected to AV switcher in rack via cat6 STP wiring.
 - 2) OMES shall provide and install one (1) recessed 220VAC outlet and 3/4" wall backing, to Ford specifications, prior to Ford installation at each display.
- c. One (1) PTZ HD camera shall be provided and wall-mounted near each display and connected to PoE switch in AV rack via cat6 UTP wiring. (2 total)
- d. Eight (8) 8" recessed ceiling speakers shall be provided and installed in room and connected to audio amp in AV rack via new 14/2 wiring.

- 1) OMES is responsible for cutting in all speaker holes (11.31" (287 mm) diameter recommended cutout and 2.4" max ceiling thickness) in sheetrock ceiling to Ford specs prior to Ford installation.
 - 2) https://www.crestron.com/getmedia/c9537ed9-7400-4c9d-8a66-916ad539032c/ss_SAROS_ICE8LPT-W
- d. The following wireless mics shall be provided and installed:
- 1) Two (2) handheld
 - 2) One (1) backpack + lapel mic
 - 3) One (1) podium transmitter with 15" gooseneck mic
2. THE CUSTOMER SHALL BE RESPONSIBLE FOR:
- a. The Customer shall have a representative (one person selected by the Customer) available throughout the installation to make decisions on behalf of the Customer concerning the installation. The purpose is to ensure that communication between the Customer and Ford is accurate and responsive in the event of questions or problems that may arise during installation.
 - b. The Customer shall clear the rooms involved in the installation of all activities during the periods of installation. Ford will work with the Customer to schedule the installation. Hours or days of work lost by the installation crew due to the inability to work as planned will be charged to the Customer based on the extra labor and expenses required.
 - c. The Customer shall provide a facility that is prepared for the installation of electronic equipment. This includes a clean, dust free and air-conditioned environment that is secure and quiet. The customer is responsible for providing a secure job site and for the cost of loss or damage to audio, video, and lighting equipment delivered by Ford to the job site.
 - d. Electrical AC Power:
If AC electrical power is required to be installed or conduit systems are required to support the audio/video systems, it is the responsibility of the Customer, at their expense, to provide complete and adequate electrical power.
 - e. Providing and preparing adequate space for the location of equipment, speakers, speaker clusters, subwoofer cabinets, distributed under and over balcony speaker systems, stage monitor systems, equipment racks, control and mixing consoles, video monitors, video projectors, projection screens, and equipment racks included in system. In the event floors are sloped or not level, the Customer is responsible for making the floor level under consoles and equipment racks.
 - f. Providing a clear area with adequate ventilation and air conditioning that maintains a room temperature not exceeding 75 degrees Fahrenheit in all rooms that are occupied by sound/audio/video/lighting equipment racks. Sound, audio, video and lighting equipment produces heat which must be dissipated by ventilation or air conditioning. Prolonged

operation at room temperatures above 75 degrees Fahrenheit will shorten the life of electronic equipment leading to premature failure of components.

- g. Ford is not licensed for and does not perform any AC electrical, carpentry, millwork, painting, masonry, or carpet laying work.
- h. The Customer will be responsible for providing all electrical infrastructure, including wire path and active AC outlets at all necessary locations prior to installation.
- i. The Customer is responsible for all content and all necessary CATV boxes, PCs/laptops/software, interconnect cables, IP network infrastructure and bandwidth.
- j. Visual inspection and acoustics:
 - 1) This SOW is based upon a visual inspection of the site conditions. It is agreed that some buildings may have inherent design and/or construction that is not visibly recognizable and is outside of normal standard and customary building procedures. If the walls, floors or ceiling are found to be constructed in a manner that wire cannot be pulled or equipment cannot be mounted or otherwise installed without labor or materials in excess of those anticipated by both parties and proposed herein, the customer agrees to be responsible for any adjustments in the labor and materials required to perform the installation.
 - 2) In facilities where Ford is providing a sound or audio system, the Customer is responsible for providing an environment free of ambient noise and excessive reverberation and echoes.
 - a) Typically, ambient noise is created by HVAC systems (Heating, Ventilation, and Air Conditioning), plumbing, or other mechanical systems in the building. In general, Ford recommends that the ambient noise sound pressure level not exceed NC35 (Noise Criteria) or 35 dB A scale.
 - b) Long reverberation times and echoes are normally the result of hard wall, floor, and ceiling surfaces found in some rooms. Typically, Ford recommends that the reverb time does not exceed 1 second where the primary use is the communication of speech. If echoes exist, absorptive or diffusive wall and ceiling panels may be required to eliminate or minimize the detrimental effects of the echoes.
 - c) Ford is not responsible for any costs related to reducing the ambient noise or modifying the acoustics of the Customer's facilities.
 - d) In some instances, conference, huddle, and meeting spaces have wall, ceiling and floor finishes that create a reverberant field and poor acoustical environment. This translates to lower intelligibility and low-quality audio during video or audio conferences. Room acoustics are determined by three factors, the size of the room, the shape of the room and the architectural finishes of the room. AV equipment cannot correct

bad room acoustics; it only magnifies the existing acoustical issues. Ford is not responsible for the acoustics of a room unless a room acoustics package is purchased.

3. FORD SHALL BE RESPONSIBLE FOR:
 - a. System design and installation of audio/video/control system components
 - b. Installation and termination of low-voltage wiring for audio/video/control systems
 - c. Programming and testing of audio/video/control systems
 - d. Customer basic hardware training
 - e. Warranty service

C. INSTALLATION SCHEDULE

1. Ford estimates that the actual on-site installation, testing and commissioning of your project will take two (2) weeks. In addition to the installation, Ford shall prepare system drawings, purchase the equipment, schedule installation and do in-shop testing. This work will take fourteen (14) weeks prior to the beginning of actual installation at your facility. The total time required to complete the project shall be approximately sixteen (16) weeks. The completion of Ford's work depends upon the facility being secure, dust-free, air-conditioned, and quiet.
2. Please note that Ford must receive the purchase order prior to beginning any work on this project including engineering, purchasing of equipment, and the scheduling of the installation. For Ford to meet the above completion schedule it is important that the Customer ensure that the job site is available for Ford personnel and that there are no interruptions in the availability of the job site and the ability of Ford to do the work.
3. Ford schedules its work force weeks in advance to meet the installation completion dates of all its customers. Therefore, it is vital that the Customer notify Ford's Project Manager if the Customer changes the schedule or the Customer's other contractors fall behind in completing their portion of the work.
4. Due to the ongoing presence of the Covid 19 virus and delays in the worldwide equipment supply chain, delays in the scheduled installation of AV systems may occur. Ford will keep you informed if scheduling changes become necessary.

D. EQUIPMENT LIST

ITSW1021: PHILLIPS PAVILION AV HEADEND

Quantity	Description	Price	Extension
1.00	CRES.DMPS34K35A AV SWITCHER W/AIR-MEDIA	7,128.00	7,128.00
1.00	CRES.PW-5430DUS POWER PACK;REPLACES PW-4830DUS	363.00	363.00
1.00	CRES.DMTX4KZ1GW TRAN,HDMI,4KZ,DM,8G+,1GANG,WHT	660.00	660.00
1.00	CRES.TSW1070BS 10.1" WALL MOUNT TOUCHSCREEN BK	1,848.00	1,848.00
1.00	CRES.TSW1070RMK 4RU RACK MOUNT KIT TSW1070BS	132.00	132.00
1.00	CRES.USB-EXT2 AV,USB 2.0 EXT,2-PC,CAT5E/6/7	660.00	660.00
8.00	CRES.SAROSICE8L SPEAK,8",LOW PROFILE WHITE CE	197.00	1,576.00
1.00	CRES.AMP-X300 AMP, 4X4, 300W @ 8 OHMS OR 70V	528.00	528.00
1.00	QSC.CORE110F DSP, 8IN 8OUT 8FLEX AEC	2,880.00	2,880.00
2.00	QSC.PTZ-12X72 CAME,PTZ,12X ZOOM,72 DEGREE NE	2,990.00	5,980.00
1.00	DLIN.DGS121028M DATA,24 PRT MANGD SWITCH,W/POE	750.00	750.00
Sub Total			22,505.00

ITSW1021: 130" DVLED

Quantity	Description	Price	Extension
2.00	OPTO.FHDS130 DISP.LED WALL, 130" HD, 1.5MM	64,400.00	128,800.00
Sub Total			128,800.00

ITSW1021: WIRELESS MICS

Quantity	Description	Price	Extension
1.00	SHUR.ULXD4Q MIC,DIGITAL WLS QUAD RECEIVER	5,120.00	5,120.00
1.00	SHUR.ULXD8=-G50 MIC,WIRELESS MIC BASE	463.00	463.00
1.00	SHUR.MX415LPDFC MIC,15"SHCKMTN,GSNCK CARD,GR/R	203.00	203.00
2.00	SHUR.ULXD2/B58 AV,TRANSMITTER W/BETA58A MIC	550.00	1,100.00
1.00	SHUR.ULXD1 DIGI BODYPACK TRANSMITER MIN4	460.00	460.00
1.00	SHUR.WL185 MIC,WIRELESS,CARDIOID,LAV	112.00	112.00
Sub Total			7,458.00

WIRE/HARDWARE/ACCESSORIES

Quantity	Description	Price	Extension
1,000.00	WEST.254246F-BK WIRE, 4PR 23G SHLD CAT6 CMP	.80	800.00
1,000.00	WEST.25226B WIRE,2C,14 GAUGE,PLENUM,SPEAK.	.35	350.00
1.00	HARDWARE/CONVERTERS/ADAPTERS	1,990.00	1,990.00
Sub Total			3,140.00

ITSW1021: INTEGRATION/LOGISTIC

Quantity	Description	Price	Extension
1.00	ITSW1021:INTEGRATION/LOGISTICS	32,200.00	32,200.00
		Sub Total	32,200.00

PHILLIPS PAVILION AV TOTALS

Merchandise:	161,903.00
Integration/Logistics:	32,200.00
Freight:	1,397.00
Sales Tax:	.00
Estimated Total Amount:	195,500.00

ITSW1021 ESTIMATED INSTALLED COST: \$195,500.00

- Estimated costs do not include any high-voltage electrical/conduit or carpentry work.
- Estimated costs do not include any Network/VoIP configuration.
- This document is for confidential budgetary estimation only and not to be considered a binding offer.
- This document is proprietary and NOT to be used as the basis for bid solicitation of any kind.
- Upon acceptance of this estimate, a formal proposal will be issued.
- Customer responsible for any associated taxes.*
- Budgetary estimate is good for 30 days.

Thank you,

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