



Council Agenda Report

From: David McCue, Information Technology Manager

Subject: Emergency Operation Center Audio Video Equipment Replacement

Date: December 20, 2016

Facts

1. On February 14, 2001, the City Council awarded the contract to build the Public Safety Center including the Emergency Operations Center (EOC) facilities.
2. The City has an equipment replacement schedule for vehicles and key IT systems. The audio video (AV) equipment purchased as part of the building project is not currently part of the replacement schedule, but should be added to the replacement schedule.
3. In addition to being always available for emergency management, the EOC facility is frequently used as a meeting and training room making the most of the City's investment and putting a lot of use on the audio-video equipment.
4. The built-in Audio-Video equipment is no longer completely functional (15 years old) so portable equipment is moved into the room for each use. The current equipment must be replaced if the EOC is to be completely ready in the event of an emergency.
5. The equipment to be replaced includes: video projector, TV displays, video selector, audio system and controls for both the main EOC and Command Room. That equipment is expected to cost \$84,683.40.
6. For efficiency, the City's Purchasing policy allows for contracts awarded by other government agencies to be utilized as a cost and value comparator instead of a formal bidding process. The City of Arroyo Grande recently awarded a bid to A-Town Audio-Video for the same type of services. As a time saving measure, a bid for the Paso Robles EOC was requested of A-Town Audio-Video.
7. A-Town Audio-Video is currently designing the replacement of the AV system for the City Council Chamber which is scheduled for replacement in fiscal year 2016-17. The City has had a long service relationship with A-Town and knows they are reliable and provide a quality product.

Options

1. Take no action.
2. Authorize the purchase of new Audio Video equipment system from A-Town Audio-Video and appropriate \$89,000 from the Equipment replacement fund;
3. Appropriate funds and authorize the City Manager to request proposals for the replacement of the equipment from other vendors.

Analysis and Conclusions

Option 1: Should the City take no action, the aging equipment in the EOC would continue to be used until it completely fails. A funding and service contract request would be brought forward at that time, with unknown levels of service interruption and cost.

Option 2: The citizens have a large investment in the Emergency Operations Center which should have functioning audio-video equipment to be completely useful for emergency incidents. The City Council has set aside funds (in the equipment replacement fund) to assure that computer based equipment is technically and operationally sound, and to avoid business interruption or inefficiencies. City staff has,

through efficient purchasing, created savings sufficient to provide for this unscheduled expense from the equipment replacement fund.

Utilizing existing bid information from another public agency will reduce the use of staff time and resources involved in a Request for Proposal, eliminate the expense in designing a biddable scope of work, and will provide publicly awarded pricing. A-Town Audio-Video is a local vendor with a history of providing excellent service at a reasonable price. Their proposal for the EOC audio-video system has been reviewed and determined to be appropriate for the City's current needs.

Option 3: Should the City Council direct that a formal Request for Proposal be undertaken at this time, it would provide opportunities for other vendors to bid (who presumably had the opportunity to bid on the Arroyo Grande bid) but would delay replacement of the equipment. It is unknown if the total project cost would be higher or lower. Potentially a different vendor could win the award resulting in different vendors supporting City AV equipment.

Fiscal Impact

This work will cost approximately \$85,000 based on the proposal from A-Town Audio-Video (Attachment 1). A project contingency amount of 5% is included in the appropriation and if not needed would remain in the fund. A Budget Adjustment Request form is attached. The Computer Equipment Replacement Fund (112) has a sufficient balance to cover the replacement of this equipment, the replacement equipment for the Council Chamber, and other costs projected during the five-year forecast period.

Adding this equipment to the replacement schedule will incur annual depreciation expense based on a 10-year life.

Recommendation

Authorize the City Manager to execute an agreement with A-Town Audio-Video for the design, purchase and installation of an audio video equipment system in the Emergency Operations Center.

Attachments

1. A-Town Audio-Video proposal
2. City of Arroyo Grande proposal
3. Budget Adjustment Request



SYSTEM DESIGN FOR

CITY OF PASO ROBLES

SAFETY CENTER EOC AV UPGRADE

PROJECT SCOPE

AUDIO, VIDEO, & CONTROL

REPLACE/UPGRADE CURRENT SYSTEM

PREPARED BY

MATT GAUGHAN
A-TOWN AV, INC.



DATE PREPARED

October 4, 2016

DATE UPDATED

December 2, 2016



CITY OF PASO ROBLES SAFETY CENTER EOC AV UPGRADE

EXECUTIVE SUMMARY

The City of Paso Robles is looking to update the AV system in the EOC area of the Safety Center. The AV system will facilitate training, presentation, meeting, and emergency operation use cases. The overall goal is to create a simple-to-use, intuitive AV system which will allow any input to be displayed on any display.

The EOC area includes a large meeting room, an adjoining conference room, and the existing data/communications room.

A-Town AV has been tasked with assessing the needs for the space and providing a system plan, which will address the requirements for the space. Included in this report is an equipment list of major components and a total cost for equipment, installation, and system programming.

SYSTEMS DESCRIPTIONS

The large primary meeting room will focus on a single, high power projector displayed on a large, electric screen in the front of the room. This primary display will be able to display either a single large image or two smaller images side-by-side. This space will also feature a TV monitor mounted with an articulating arm as a secondary / confidence display on the south wall.

The displays will be driven from multiple video sources, including in-room computer, Blu-Ray player, satellite/cable box, AppleTV, document camera, and two auxiliary inputs in the room. The system will also have a “bring your own device” functionality allowing PC & Mac computers, iPhones, iPads, Android phones, and tablets the ability to share their screen wirelessly to any display device.

The conference room will feature three TV monitors: a single large TV on the wall at the end of the conference table and two mirrored displays on the walls on either side of the table. These displays will be able to show local, in-room sources, including computer, Blu-Ray player, satellite/cable box, AppleTV, document camera, aux input, and “bring your own device”. They will also have the ability to show an input from the main conference room and push what is displayed in the room to a display in the conference room.

Sound in both spaces will be driven through a single digital signal processor. The conference room audio system will playback audio from source devices while mixing in two presenter mics. The presenter mics will also have the ability to automatically lower the playback volume while the mic is being used. The conference room audio will playback audio from source devices displayed on any display. It will also include an integrated audio conference system using desktop area mics. This upgrade will replace speakers in both spaces with new ceiling speakers.

Each space will have two methods of control: 1) a simple wall controller which will allow for basic video functionality and overall volume control, and 2) an iPad with an intuitive graphical interface allowing for customizable system control of each space. The control system with iPad interface will allow both spaces to pull and send content between rooms in an EOC event.



CITY OF PASO ROBLES
SAFETY CENTER EOC AV UPGRADE

SPACE
FEATURES

Meeting Room

Display

- 7000+ lumen WUXGA (1920x1200) projector
- 160"x100" projected image
- 65" TV monitor on south wall

Source Devices

- PC
- Blu-ray Player
- Satellite/Cable
- Apple TV
- Document Camera
- Laptop/Aux Input
- "Bring Your Own Device"
- Image from Conference Room

Audio

- Ceiling speaker system
- Playback from Source Devices
- 2 Wireless Mics

Control

- 8 Button Wall Controller with Volume Knob
 - System on/off
 - Main Screen Source Selection
 - Overall Master Volume
- iPad Control
 - System on/off
 - Preset Recall
 - Master & Individual Volume Control
 - Full Source to Screen Control
 - Customized Use Case Specific Functions

Connectivity

- Laptop/Aux Input at Front Media Counter
- Wireless "Bring Your Own Device" Wireless Display

Conference Room

Display

- Large (>65") Main Monitor
- Medium (>50") Secondary Monitors (2)

Source Devices

- PC
- Blu-ray Player
- Satellite/Cable
- Apple TV
- Document Camera
- Laptop/Aux input
- "Bring Your Own Device"
- Image from Conference Room



CITY OF PASO ROBLES SAFETY CENTER EOC AV UPGRADE

SPACE FEATURES (CONTINUED)

Audio

- Ceiling speaker system
- Playback from Source Devices
- Audio Tele-Conference Mics

Control

- 8 Button Wall Controller with Volume Knob
 - System on/off
 - Main Screen Source Selection
 - Overall Master Volume
- iPad Control
 - System on/off
 - Preset Recall
 - Master & Individual Volume Control
 - Full Source to Screen Control
 - Customized Use Case Specific Functions

Connectivity

- Tabletop Laptop/Aux & Document Camera Inputs
- Tabletop Power
- Wireless "Bring Your Own Device" Display

INFRASTRUCTURE CONSIDERATIONS

Lighting in the main meeting room should be configured to reduce direct spill onto the projection screen for presentation situations.

Power needs at the equipment rack in each room is a single 20 amp circuit. The projector will require a circuit with at least 5 amps available and each TV location will need 3 amps.

Cable paths will need to be available from equipment rack to displays and speakers in each room. A path between racks will also need to be established. The conference room will need a path from equipment rack to conference table. The minimum size and number of paths will depend on the final plan.

Control network wiring will be included in the system installation, but will require VPN access in order to enable remote troubleshooting and allow for quick response support.



**CITY OF PASO ROBLES
SAFETY CENTER EOC AV UPGRADE**

**SPACE
ALLOCATION**

Meeting Room

The main meeting space will contain all equipment for the room. The projector will mount on the east wall and the projection screen on the west wall. The secondary display TV will mount on the south wall. The equipment will be racked in the existing cabinet in the north-west corner of the room.

Laptop/aux input connections will be located at the equipment cabinet. The simple control panel will be located on the wall near the equipment cabinet. (Actual location to be determined.)

Conference Room

The conference room will contain all equipment for the room with the exception of audio processing and control processor, which are shared with the meeting room and are housed in the equipment cabinet in that room. The primary display will be mounted on the north wall and secondary displays mounted on east and west walls. The equipment will be racked in the existing equipment location.

Laptop/aux and document camera input connections will be located on a table-top connection box along with power. The simple control panel will be located on the wall near the equipment cabinet. (Actual location to be determined.)

PROJECT COSTS

The following cost is for a turn key system. This budget does not include installation of power or conduit/cable pathways, unless specifically itemized. This proposal includes all necessary equipment to achieve the system description above, labor for installation, programming of all devices, and 4 hours of on-site staff training. Any permits or other associated costs are not included in this proposal.

Pricing is based on the City of Arroyo Grande's Council Chambers project and pricing.

**TOTAL COST:
INCLUDING SALES TAX**

\$84,683.40

CITY OF PASO ROBLES SAFETY CENTER EOC AV UPGRADE

COMPANY BACKGROUND

Matt Gaughan started in the Audio Video Industry as Stage Designer and Technical Director for a touring performing arts multimedia show that was, at the time, using cutting edge technology. At nearly every tour stop, the event hosts would ask him about the products and technology he was using because they had an interest in acquiring similar equipment. In 1996, Matt founded Gaughan's Computer and Stage Equipment and began consulting with clients on how to further their audio, video, and lighting presentations.

As time progressed, he recognized that his clients not only needed consulting, but they also needed installation services as well. After relocating back to his hometown of Atascadero, California, he began operating under the name A-Town AV. He then expanded the services of the company to include full system design and installation.

In 2014, the company transferred to Jason Allen. Jason's background includes knowledge of construction practices and techniques, including installation services, repair, and building materials. Prior to acquiring A-Town AV, Jason established nine years of management experience and eight years of technology experience. Since then, Jason has grown the business with the goal to provide customers quality solutions and service.

Today, A-Town AV services clients along California's central coast, Los Angeles/Anaheim area, Sacramento area, and even as far as Texas. Locally, our clients include: Cal Poly University, ABC Church, New Life Church of Arroyo Grande, CA, Lucia Mar Unified School District, Church of the Nazarene, City of Arroyo Grande, Atascadero High School, Fort Hunter Liggett, Paso Youth Arts, Trinity Lutheran Paso, Atascadero Nazarene, and many others.

Our mission is to develop a lasting relationship with each client in order to achieve the vision for their organization through the use of audio and visual technologies.

TECHNOLOGY & TRAINING

As with any technology-based industry, products and methodologies change constantly. A-Town AV continues to maintain its position on the cutting edge of this technology curve. We are committed not only to continued education, but to being on the forefront of new methods, technologies and products. We continually challenge the "norm" in order to keep ahead of the game and are proactive in developing new, more efficient and more cost effective audio, video, lighting, and control systems.



To show our commitment to furthering the industry, we are currently members of INFOCOMM International, which is dedicated to continued education and maintaining a high level of professional excellence amongst its members. Our installers are at least CTS certified and our designer is CTS-D certified by INFOCOMM International.

CITY OF PASO ROBLES SAFETY CENTER EOC AV UPGRADE

BENEFITS OF WORKING WITH A-TOWN AV

Local—Working with A-Town AV means supporting our communities. All of our labor, whether in-house or contracted, originates in our community and our materials are purchased locally whenever possible. In addition, response time to service needs is timely and efficient.

System Flexibility—A-Town AV has experience in all sizes of systems, from simple projector and screen systems to fully controlled audio, video, and lighting systems for large venues. Our broad knowledge of technology and product types allows us to design an AV system that fulfills your specific needs, regardless of the size.

Product Discernment—Often clients know what they want to achieve, but are unsure which products will satisfy their requirements. A-Town AV has extensive experience listening to a client's vision and discerning the products that will best complete the task while staying within the budget. We aim to satisfy the client's current needs while preparing for expansion and technology upgrades in the future.

Experience—Matt and Jason have over 25 combined years experience in the audio/video industry. From running sound, video, and lighting to training staff at churches, schools, and government offices, their broad experience has given them a unique insight into a variety of situations using many different workflows. This has given them the skills needed to successfully design and install complex systems, as well as making technology work within each client's current situation.

A-Town AV has assembled and trained a team with experience not only with AV technology, but also client services and management to ensure that each client's needs are met and exceeded.



CITY OF PASO ROBLES
SAFETY CENTER EOC AV UPGRADE

TERMS &
CONDITIONS

This is a quotation on the goods and services named for the client: **City of Paso Robles**, subject to the conditions noted below:

Equipment prices in this quotation will be honored until the quote expiration date which is 30 days past date of quote, unless otherwise noted. (This excludes typographical errors.)

All items delivered, unless duly noted, shall be new with full warranty from the manufacturer. Costs for hardware, cable, and connectors, are approximate. The client will be billed only for actual material used. Equipment delivered to A-Town AV for assembly, prior to delivery to the client, is the possession of the client's.

The total labor estimate is based on the information gathered by us and given to us by the client up to the date of the quote. The labor is not to exceed the amount quoted as long as the situation is known to us and the requirements for the project do not change.

OVERRIDE
PROTECTION

This quotation DOES NOT contains an "Override Protection"! In the event that any unforeseen situations arise, any additional costs will be approved through change orders signed by both parties. Any change requests made by the client will be assessed and approved by both parties on a change order.

PAYMENT &
ACCEPTANCE

A-Town AV Payment Terms:

Initial payment of **\$ 50,000** applied to the finished goods total, along with this signed quotation, is due to begin project.

All subsequent invoices will be billed on an "as completed" basis at Net 10 days with a final payment due Net 10 days upon completion. Any past due invoices will be subject to a service charge of 2% per month (18% Annual Percentage Rate).

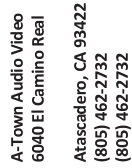
We are accepting the base bid plus the following additions: (please write in accepted additions)

Proposal is accepted by (please print): _____ who
herein represents that they are a duly authorized representative of the client.

ACCEPTED _____ Date _____
(signature) Authorized Representative of Client

Accepted by Jason Allen for A-Town AV.

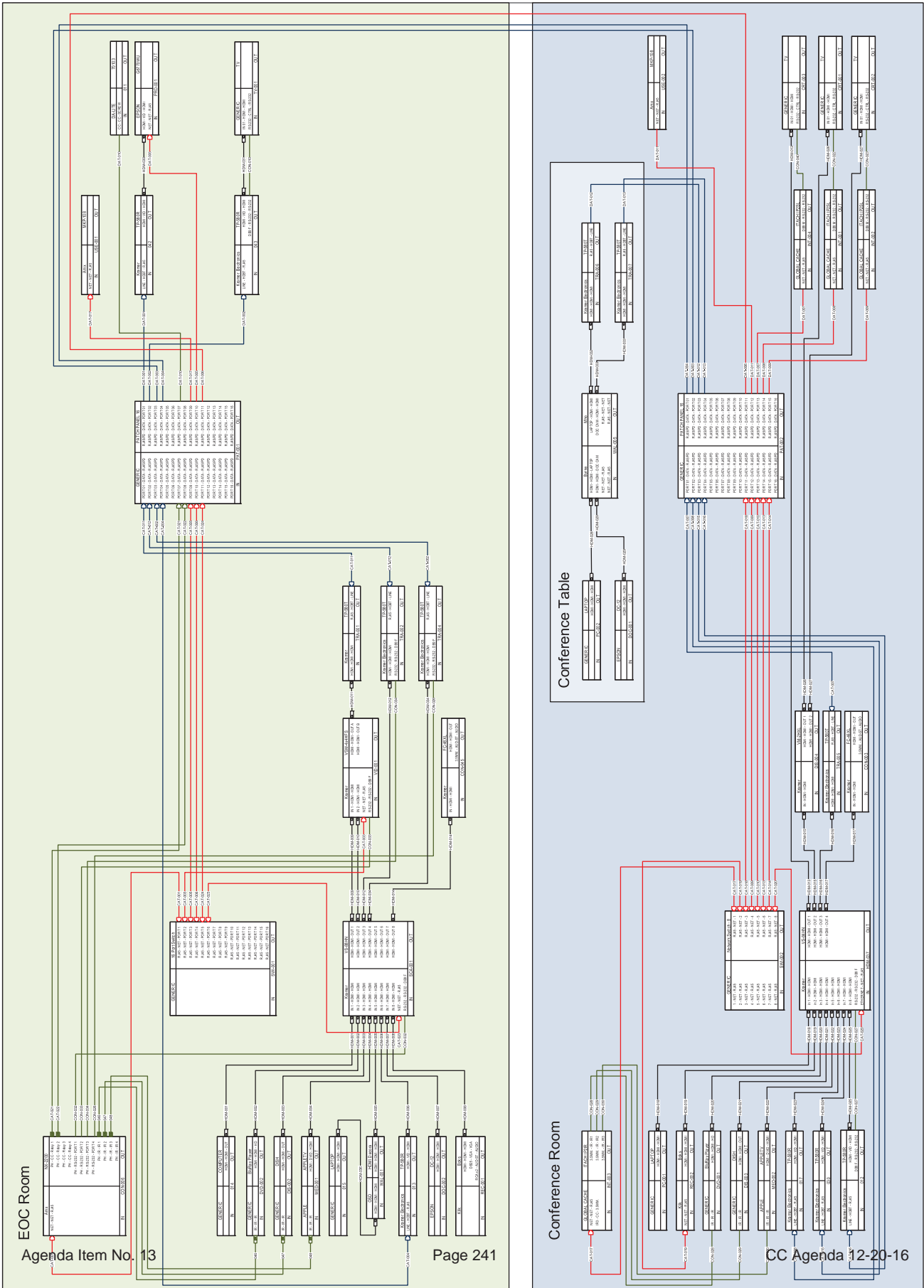
ACCEPTED _____ Date _____



Created	4/6/2016
Modified	10/31/2016
Printed	10/31/2016

Video / Control (Ph 2)

1/1





A-Town Audio Video
6040 El Camino Real
Atascadero, CA 93422
(805) 462-2732
(805) 462-2732

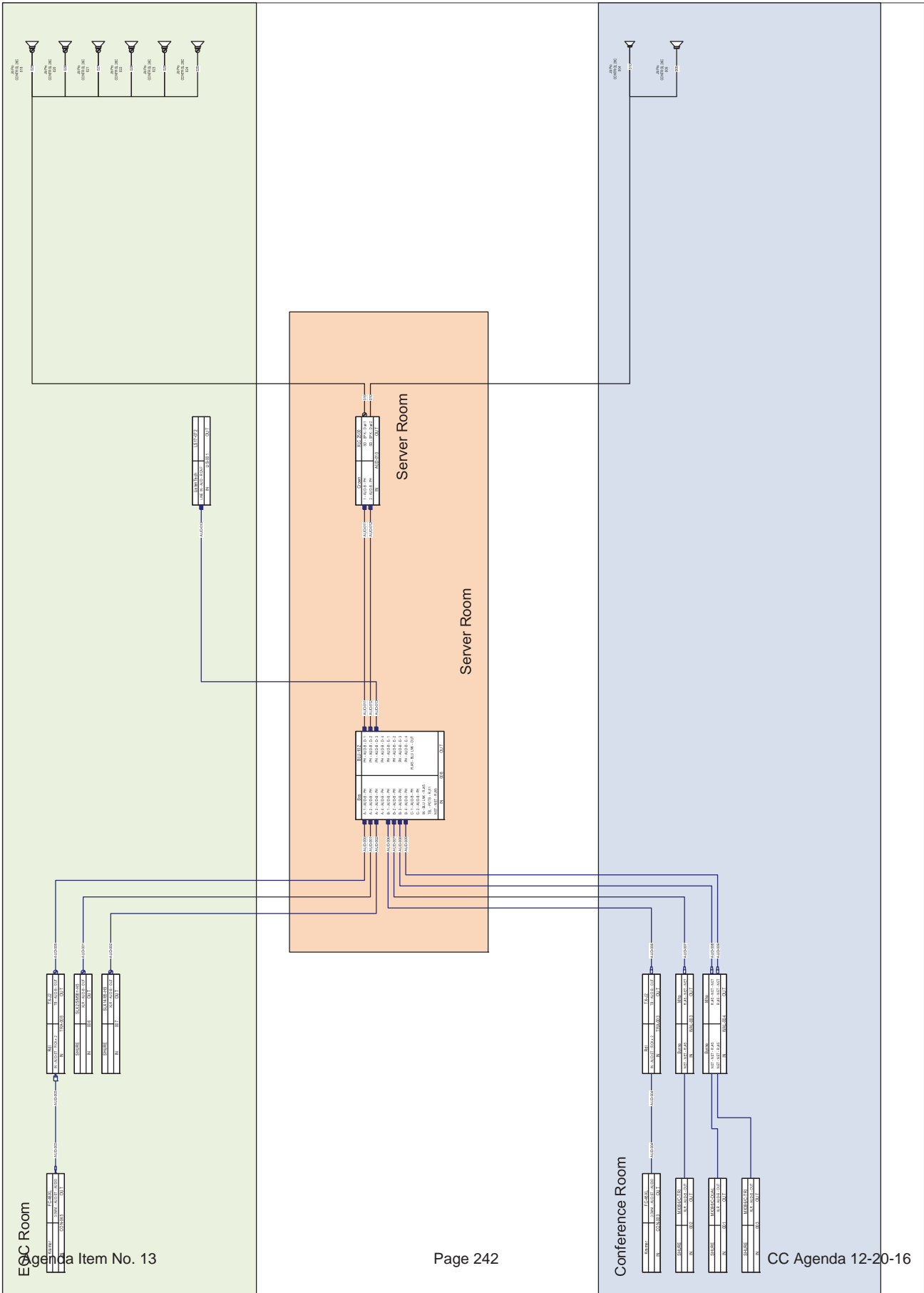
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Created 4/6/2016
Modified 10/31/2016
Printed 10/31/2016

EOC Upgrade - Phase 2

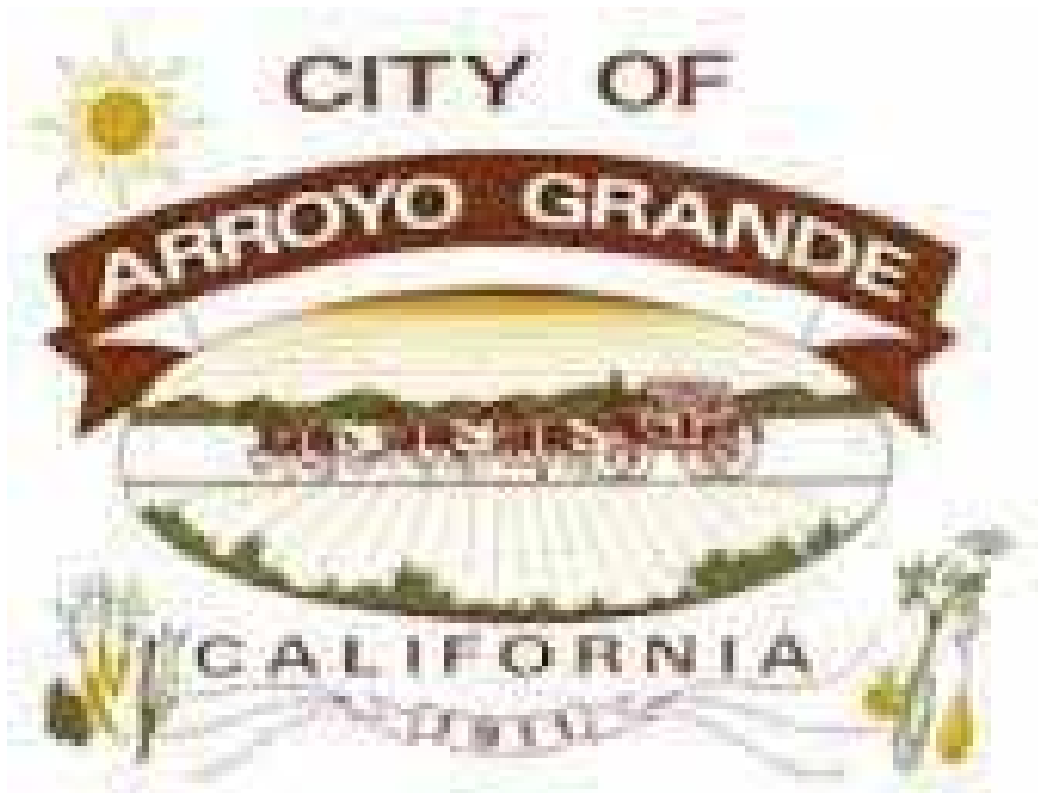
Audio (Ph 2)

1/2



Council Chambers Broadcast Upgrade

City of Arroyo Grande



Presented By:



A-Town
Audio•Video

A-Town Audio Video
6040 El Camino Real
Atascadero, CA 93422
(805) 462-2732
www.atownav.com

Modified: 10/27/2016
Revision: 2

Unassigned

Unassigned



- 1 **GENERIC CAT6 AV**
CAT 6 Plenum Green for AV Network

Meeting Room



- 2 **GENERIC CAT6 AV**
CAT 6 Plenum Green for AV Network

- 3 **Kramer Electronics C-HM/HM/PICO/BK-6**



- 1 **SAMSUNG UN55J6200**
Samsung 6200 UN55J6200AF 55" 1080p LED-LCD TV - 16:9

Video Production and Distribution System



- 2 **Black Magic Design CONVMSA**
3G HD-SDI to Analog with Audio Mini Converter



- 1 **Black Magic Design CONVMBHS2**
HDMI to SDI/HD-SDI/3G-SDI converter with 2 ch AES/EBU or analog audio



- 1 **Black Magic Design CONVMBSH**



- 1 **Black Magic Design HDL-SMTVDUO**
SmartView Duo



- 1 **Black Magic Design HDL-SMTVHD**
Blackmagic Design 17" SmartView HD Studio Monitor



- 1 **Black Magic Design SWATEMTVSTU**
ATEM Television Studio Production Switcher

- 30 **COVID CVA 3200 18 BULK**
Bulk cable, (2) 18 AWG conductors, plenum

* Price Includes Accessories










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	8	Furman M8LX 15 AMP power conditioner with pull out lights
	28	GENERIC CAT6 AV CAT 6 Plenum Green for AV Network
	15	GENERIC SCAT6-PATCH-5
	2	Jbl Pro LSR305 JBL Professional 3 Series LSR305 Speaker System - 82 W RMS
	1	Kramer Electronics 105A 1:5 Stereo Audio Distribution Amplifier
	1	Kramer Electronics 105VB 1:5 Composite Video Distribution Amplifier
	1	Kramer Electronics C-GMA/GMA-15 15-pin + audio m/m cable 15'
	5	Kramer Electronics C-HM/HM/PICO/BK-10 10' Ultra-Slim High-Speed Flexible HDMI Cable with Ethernet
	12	Kramer Electronics C-HM/HM/PICO/BK-6
	3	Kramer Electronics C-HM/HM/PRO-15
	2	Kramer Electronics C-USB/MINI5-10 C-USB/Mini series USB-A to USB-Mini-B 2.0 cable, male to male connector, 10'
	1	Kramer Electronics FC-46XL HDMI Audio De-embedder
	1	Kramer Electronics RK-1 19 Inch Rack Adapter for Selected Desktop & MultiTOOL
	1	Kramer Electronics RK-3T 19 Inch Rack Adapter For TOOL

* Price Includes Accessories

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- 1 **Kramer Electronics RK-6T**
19 Inch Rack Adapter For TOOLS



- 6 **Kramer Electronics TP-580R**
The TP-580R is a high-performance, HDBaseT twisted pair receiver for HDMI, bidirectional RS-232 and IR signals. The TP-580R receives an HDBaseT twisted pair signal from the TP-580T and converts it back into HDMI, RS-232 and IR signals.



- 4 **Kramer Electronics TP-580T**
HDMI, bidirectional RS232 and IR over HDBaseT twisted pair transmitter



- 1 **Kramer Electronics VA-102P12**
Power Supply, 12VDC (10 Output)



- 1 **Kramer Electronics VM-4HC**
1:4 HDMI distribution amplifier



- 1 **Kramer Electronics VP-440**
Compact 6-Input Presentation Switcher / Scaler with HDBaseT and HDMI Outputs



- 1 **Kramer Electronics VS-88HN**
8x8 HDMI Matrix Switcher



- 1 **Kramer Electronics WP-20**
Active wall plate - 4K UHD HDMI, computer graphic with ethernet, bidirectional RS-232 and stereo audio over HDBaseT transmitter

- 1 Kramer Electronics WP-20-BLKN(W)
WP-20 wall plate blank panel - white

- 1 **LEIGHTRONIX UltraNEXUS-HD**
A perfect fit for all-digital television operations, the UltraNEXUS-SDI™ combines an all-digital video/audio interface with superior MPEG-2 encoding/decoding hardware for crystal clear capture and playback. The UltraNEXUS-SDI also supports embedded digital audio and analog audio input/output conn



- 66 **LIBERTY CABLE 23-MINI-SD-BLK**
Black Serial digital Mini-RG59 dual shield 4.5 GHz coaxial

* Price Includes Accessories

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- 22 **LIBERTY CABLE CM-RGB23-BNC**
C-Tec2 Mini-RG59 Solid BNC Plugs for Single or Dual shield formats



- 1 **Middle Atlantic BGR-4127LRD**
BGR series rack without rear door, 27" deep, 41RU



- 1 **Middle Atlantic BGR-552FT-FC**
Fan top with controller



- 1 **Middle Atlantic BSPN-41-27**
BGR series 41 space side panel



- 1 **Middle Atlantic PFD-41A**
Curved plexiglass front door for 41 space BGR series rack, black finish



- 1 **MIDDLE ATLANTIC PRODUCTS EWR-10-17SD**
10 space (17 1/2) econo sectional wall rack with solid front door, fits 15 deep equip., black finish



- 1 **MIDDLE ATLANTIC PRODUCTS UPS-2200R-8IP**
Rackmount ups,2200va/1650w ind.outlt cntrl & nic,2sp,black



- 3 **SAMSUNG SMT-2232**



- 1 **TECNEC HDLG**
Burst Electronics HD/SD SDI Color Logo Generator



- 1 **WOLVISION VZ-8PLUS**

Cameras



- 4 **GENERIC CAT6 AV**
CAT 6 Plenum Green for AV Network



- 24 **LIBERTY CABLE 23-MINI-SD-BLK**
Black Serial digital Mini-RG59 dual shield 4.5 GHz coaxial

* Price Includes Accessories

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- 8 LIBERTY CABLE CM-RGB23-BNC
C-Tec2 Mini-RG59 Solid BNC Plugs for Single or Dual shield formats



- 1 **Sony Corporation RM-IP10**
IP Remote Controller



- 4 **Sony Corporation SRG-300SE/W**
Sony Network Camera - 1 Pack - Color

Dais Mics



- 1 **Bss BLU-50**



- 2 **Bss BLU-BIB**
8 input expansion box for blu link devices



- 1302 **COVID CSP 1200 22 BULK**
Bulk cable, (1) 22 AWG shielded twisted pair

- 28 NEUTRIK NC3FXX-BAG
3 pin f cbl mt XLR blk



- 4 **GENERIC SCAT6-PATCH-5**

- 1 **NEUTRIK NC3FXX-BAG**
3 pin f cbl mt XLR blk

- 1 **SHURE BLX1288/CVL-H9**
BLX1288 COMBO W/CVL AND PG58

Assisted Listening



- 2 **ListenTech FB1.8**
FLAT INSULATED COPPER CABLE 164 FT. (50 M)



- 2 ListenTech PWT
ADHESIVE INSTALLATION/WARNING TAPE 164 FT. (50 M)

* Price Includes Accessories






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	1	ListenTech ILD122 PROFESSIONAL LOOP DRIVER (3.5 AMPS)
	1	ListenTech LA326 Rack Mounting Kit for Listen Technologies
	50	ListenTech LA-396-14-G The LA-396 hearing loop cable is a 14 gauge stranded copper cable with a colored outer jacket
	50	ListenTech LA-396-14-R The LA-396 hearing loop cable is a 14 gauge stranded copper cable with a colored outer jacket
	3	ListenTech LP-IL-1 HEARING LOOP RECEIVER WITH LANYARD PACKAGE

Control System

	1	Amx FG423-46 AMX 13.5 VDC, 4.5 A Power Supply with 3.5 mm Phoenix Connector with Retention Screws
	1	Amx FG423-83 AMX PS-POE-AF-TC PoE Injector for Modero X Series
	1	Amx MSD-701 7" Modero S series wall mount touch panel
	1	Amx MXT-1900L-PAN 19.4" Modero X series panoramic table top touch panel
	1	Amx NX-2200 NetLinx NX integrated controller
	30	COVID CSP 1200 22 BULK Bulk cable, (1) 22 AWG shielded twisted pair
	1	GENERIC CAT6 AV CAT 6 Plenum Green for AV Network

* Price Includes Accessories

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12 **GENERIC SCAT6-PATCH-5**



2 **Legrand/On-Q 24845CC6**
CAT 6 24-port rack mount patch panel

Speaker System



45 **COVID CVA 0200 16 BULK**
Bulk cable, (2) 16 AWG conductors

2 **Crown CSA 2x800**



4 **Jbl Pro Control 14CT**



1 **Jbl Pro Control 25-1**

Council Chambers: Wall

Control System

5 **LIBERTY CABLE Custom Panel**
Custom Wall plate

Chambers Main Display

1 **DA-LITE 24469**
UTB Contour – 16:10
72½" x 116" 137"D
HD Pro 0.9

* Price Includes Accessories

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Council Chambers: Ceiling

Chambers Main Display



- 1 **EPSON V11H734020**
Pro L1200U- WUXGA 7000 lumens 3LCD Laser Light Source can operate up to 20,000 of virtually maintenance free operation. Supports full HD 1080p resolution and 4K input. HDBase-T is an input



- 1 **EPSON V12H004M09**
Epson Mid Throw Lens 2.16-3.48:1 ratio

- 1 **Premier Mounts APP-0912W**
9"-12" Adjustable Column mount

- 1 **Premier Mounts PDS-PLUS-W**
Low Profile Universal Projector Mount- White



- 1 **Premier Mounts PP-FCTA-QL**
Hidden T-Bar Frame adapter Quicklink

Council Chambers: Dais

Dais Mics



- 1 **SENNHEISER MAT 133**
Table Stand with XLR Connector



- 11 **SENNHEISER MAT 133-S**
Table Stand with XLR Connector and Switch

- 11 **SENNHEISER MEG 14-40-L-II B**
The MEG14-40 is a high quality 16" gooseneck microphone. It features an integrated Sennheiser KE10 cardioid microphone capsule for premium audio in universal applications. The flexible element ensures precise alignment of the microphone. It also featured an LED light ring.

- 1 **SENNHEISER MZH 3042**
40cm Dual Flex Gooseneck with 3-Pin XLR for ME 34, ME 35 and ME 36 Microphones

* Price Includes Accessories

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Control Room: Main Rack

Unassigned



- 1 **Bss BLU-BOB2**
8-channel analog break-out box with fault-tolerant bus (rackmount version) - includes external power supply

- 1 **Kramer Electronics VS-41HD**
4x1:2 sdi/hd-sdi digital video switcher



- 1 **Matrox Monarch HD**
HD video streaming and recording appliance

* Price Includes Accessories

Presented By: A-Town Audio Video

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A-Town Audio Video

Client:

Date

Contractor: **A-Town Audio Video**

Date

* Price Includes Accessories

Presented By: A-Town Audio Video

Project Name: Council Chambers Broadcast Upgrade

Project No.: D-1202-0197

11/8/2016

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Approvals/workflow 1. Dept Head 2. Admin Svcs 3. City Manager 4. City Council	City of Paso Robles BUDGET ADJUSTMENT REQUEST		Budget JE #
			BAR #
			AGENDA DATE <div style="text-align: right;">12/20/2016</div>

DESCRIPTION	ORG #	OBJECT #	PROJECT #	AMOUNT
FINANCING SOURCES				
Equipment Replacement Fund	112			\$89,000
TOTAL FINANCING SOURCES				\$89,000
FINANCING USES				
EOC AV Upgrade	1123258	54520		\$89,000
TOTAL FINANCING USES				\$89,000

JUSTIFICATION: (attach letter if required)

REQUESTED BY: _____ **REVIEWED & APPROVED BY:** _____

_____ Date Department Head _____ Date Administrative Services

APPROVED BY: _____

_____ Date City Manager

PASSED AND ADOPTED by the City Council of the City of Paso Robles, State of California, this _____ day of _____ 20____. Agenda Item No. _____

ATTEST: _____

Deputy City Clerk