

CITY OF YUBA CITY
STAFF REPORT

Date: June 18, 2019
To: Honorable Mayor & Members of the City Council
From: Information Technology Division
Presentation By: Brian Hansen, Senior IT Analyst

Summary

Subject: Update audio/video equipment in the Council Chambers at City Hall.

Recommendation: Award the purchase of equipment and services to update the audio/video equipment in the Council Chambers at City Hall to Tri Path Technology Group of Chico, California in the amount of \$70,000.61 finding it is in the best interest of the City to do so.

Fiscal Impact: \$70,000.61 Technology Replacement ISF 6630-69201

Purpose:

To improve and enhance public meetings and internal trainings by updating the audio and video presentation equipment used in the Council Chambers.

Background:

The audio/video equipment in the Council Chambers at City Hall is used for almost every meeting and training held at this facility. The equipment is used to both enhance the in-meeting experience as well as record the audio and video feeds for future viewing. The system is controlled by an easy to use touch screen that allows any staff member the ability to manage the audio/video for a meeting or training without specialized training. This project will update the audio/video equipment in the Council Chambers to improve the quality of the audio and video presentation as well as update the controls for a more intuitive and easier to use interface.

The current audio equipment in the Council Chambers at City Hall was last replaced in 2010 and the video equipment was replaced in 2014. Since this time, audio and video technology has rapidly improved. Staff has determined that an update to the audio/video equipment would greatly enhance the experience and quality of meetings/trainings held at this facility.

IT Staff contracted with Tri Path Technology Group of Chico, California for the design and specifications for the update to the Council Chambers audio/video. Staff met with representatives from Tri Path Technology Group several times to make sure Tri Path had a thorough understanding of the needs of the City so that they could design a cost-effective solution that encompassed all the goals and requirements set by City staff.

Analysis:

Vendors that provide the design and installation of chamber/meeting area equipment of this type are difficult to find because of the specialized nature of this discipline. Vendors that are willing to put in

the time to work with the City and develop a design and installation plan have proven even more difficult to find.

The City has been working with Tri Path Technology Group to develop the design and specifications for this update and they have proven to be experts in this field and very willing to work with the City. IT staff has contacted references for Tri Path Technology Group and performed site visits to verify the quality of their work and the satisfaction of their customers.

Tri Path Technology Group is using the CMAS/GSA schedule for pricing of the equipment and staff has verified that they are competitive with market prices. Staff has determined that sole sourcing this project to Tri Path Technology Group is in the best interest of the City because of their experience and availability as well as the equipment being priced based on the CMAS/GSA schedule which has already been competitively bid.

Fiscal Impact:

Funding for this purchase was appropriated in the FY 2018/2019 budget Capital Acquisitions and is available in the Technology Replacement Fund account 6630-69201.

Alternatives:

- 1) Reject proposal
- 2) Request new proposal process
- 3) Do not purchase
 - This would have no immediate impact. However, over time as equipment begins to fail, this will cause disruptions in meetings and trainings and may impair the City's ability to record meetings and present information to the council and audience.

Recommendation:

Award the purchase of equipment and services to update the audio/video equipment in the Council Chambers at City Hall to Tri Path Technology Group of Chico, California in the amount of \$70,000.61 finding it is in the best interest of the City to do so.

Attachments:

1. Tri Path Technology Group Proposal

Prepared By:

[/s/Brian Hansen](#)

Brian Hansen
Senior IT Analyst

Submitted By:

[/s/ Diana Langley](#)

Diana Langley
Interim City Manager

Reviewed By:

Finance
City Attorney

[RB](#)
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ATTACHMENT 1

COVER PAGE

Council Chambers AV Update

City of Yuba City

Revision: 12
Modified: 6/3/2019



Presented By:

Tri Path Technology Group

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SCOPE OF WORK

June 11, 2019

Letter of Scope

City of Yuba City Council Chambers AV Update Job Number: TRI-0450

The following proposal depicts the costs associated with the installation of **Council Chambers AV Update** for **City of Yuba City**, meeting the needs discovered during our initial walkthrough, and noted in our program report from **January 22nd, 2019**. System components have been chosen for their reliability, functionality, and ease-of-use.

GSA/CMAS pricing has been applied to all materials in this proposal. Please see the attached spreadsheet for individual item pricing and references to the corresponding GSA schedule. Labor is included at prevailing wage rates.

System Summary:

The Council Chambers AV Update will be a complete overhaul of the existing system. Using automation, Council Meeting logistics will be greatly simplified, allowing Users to start and run Meetings without micromanaging the A/V System. The simple and clean Touch Panel UI will provide the ability to override default functionality, allowing Source Selection, Audio Control, and Recording Control.

A vivid 90" HD Display will replace the Rear-Projection system, allowing Visual Content to be seen comfortably and clearly from anywhere in the Chamber. Existing functionality like Meeting Archival, Voice-Lift, and Content Sharing will be greatly enhanced with the new System.

System Features:

The existing Touch Panel interface will be replaced with a larger Screen and a streamlined UI.

New microphones will be installed to ensure that all microphones and bases are identical. New wiring will be installed to each microphone..

All A/V routing and processing will be replaced with digital systems, eliminating hum and buzz, and providing uncompromised Audio and Video transmission. The Clerk/Media PC position and the Guest Presenter position will have HDMI/VGA inputs for Content Sharing.

Two XLR wall panels will be installed for Press Audio feeds on either side of the Main Chamber entrance.

Each wireless Mic Shall include a single rechargeable battery, and all Shure batteries will share a single 4 bay charger.

ALS will be covered by a new Williams Audio FM system, featuring (4) Receivers for those requiring Assisted Listening. Each receiver works with the included headphones or inductive loop for hearing aids. An ADA wall plaque is also included.

The Touch Panel Control will feature (2) User Modes:

- Presentation Mode (Full Audio/Video Presentation)
- Speech Mode (Microphone Audio Only)
- All Controls will be accessible within a maximum of 3 User actions

Labor Inclusions:

- Labor has been included for the removal of existing equipment
- **REMOVAL NOTE: Tri Path will be removing pieces of equipment that may leave holes or otherwise unfinished areas in Walls and/or Furniture. The cost of labor and materials required to restore**

affected areas to a finished state are not included in this proposal.

Equipment Inclusions:

- (1) Sharp 90" HD Flat Panel Display
- (1) Biamp Audio DSP
- (2) Biamp Logic Expanders
- (1) Extron Control Processor
- (1) Extron 10" Touch Panel
- (1) Extron DTP Video Switch
- (1) QSC 2-Channel Audio Amplifier
- (1) Williams Audio Assistive Listening Kit (1 Transmitter, 4 Receivers)
- (3) Shure Wireless Microphones (1 Handheld, 1 Bodypack, 1 Gooseneck, 1 Boundary)
- (6) Shure Rechargeable Batteries + 4-Bay Charging Station
- (1) Middle Atlantic UPS
- (1) Lowell Wall-Mounted Floor Standing Rack

PLEASE NOTE:

- The project total on the SUMMARY PAGE of our proposal is often confused as the total proposed cost of a project. The total cost is shown on the proposal page that depicts the sales tax associated with the project.
- Each line item depicting job materials includes the labor cost associated with that item. Clients may view the separated totals of materials and labor on the Summary page or the final pricing page.
- If an item is listed as Owner Furnished (OFE), there may be a charge in the proposal line relating to that item for labor related to integration of owner furnished pieces into the system.
- Our warranty terms are detailed in the contract section of this document.

Exclusions - The following labor and / or materials are not included in our Scope of Work unless otherwise included in the itemized items list within the proposal document:

- All conduit, high voltage, wiring panels, breakers, relays, boxes, receptacles, etc.
- Concrete saw cutting and / or core drilling.
- All millwork (moldings, trim, etc.)
- Fire wall, ceiling, roof and floor penetration, painting and patching of walls, ceiling, floor etc. Construction constraints may require us to cut into drywall, firewalls etc. - work that cannot be foreseen in a preliminary job walk. This may result in additional labor and materials expenditures and will be presented in a change order as an additional cost.

NOTICE - This Scope of Work is delivered with the following assumptions:

- Any additional visits, service, or commissioning required outside of the above inclusions will be billed at \$132.50/Hour with a 2 hour minimum, plus travel expense.
- Client communication of readiness will be considered accurate and executable by Tri Path, Inc. project manager.
- In the event of any arrival to site that Tri Path, Inc. is not able to execute work and definable progress, the client will be charged a \$300.00 Mobilization Fee to offset the lost time due to the lack of readiness. The Mobilization Fee will be presented as a Contract Change Order and will halt work until acceptance by the client and rescheduling of the installation is agreed upon.
- Rescheduling and redeployment of Tri Path, Inc. technicians due to unacceptable site preparation may cause scheduling delays of up to 10 business days.
- Contractor will have ready access to the building / facility.
- A secure storage location is available for equipment during a multiple day integration.
- Regarding owner furnished equipment (OFE) and existing cabling: Tri Path, Inc. assumes these items are in good working condition at this time. Any repair or replacement of OFE that may be necessary will be made at an additional cost.
- The Client will have an assigned person with the authority to communicate / approve project change requests / field change orders.

Project Management Processes - Tri Path, Inc. will follow a foundational project management process which may include the following actions / deliverables (based on the size, complexity and duration of the project):

- Site Survey - Initial walkthrough or plan review
- Program Report - Submitted to client for review and input, post site survey
- Design Proposal - Submitted to client, post Program Report review
- Project Proposal - Submitted to client for review / revision or acceptance
- Submittals - Submitted to client for confirmation of control system and / or install detail

- Project Kickoff Meeting – Conducted in person or over the phone with client, involving other trades if necessary
- Site Readiness Verification – Conducted in person or over the phone with client to verify site conditions
- Project Status Reviews – Communicated to client at pre-determined intervals to update on the progress of the project
- Change Orders – On site or formal documentation submitted to client
- Punch List / Substantial Completion – Conducted in person or over the phone with client to begin job closeout and system hand off

Knowledge Transfer - This is geared specifically towards the end-user / operator. The purpose of this knowledge transfer is to arm operators with the necessary knowledge to confidently and comfortably operate all aspects of the integrated system. Areas covered include the following:

- System capabilities
- How to turn the system on and off and select settings based on the intended use
- Who to call when help is required
- Full system documentation will be delivered, post-install

Audio/Visual System Specifications

1.1 Audio Visual System – City Council Chambers

A. System will be a comprehensive update of existing equipment and functionality.

B. **VIDEO**

1. Main Display: EQP-DIS-001

- Device shall be a Sharp PN-LE901
- Main Display shall be installed in place of existing Rear-Projection Screen on new Blocking/Backing provided by Client
 - Main Display shall be installed plum and level
 - Main Display shall be centered on existing Screen area
 - Secured with minimum (8) Simpson Strong-Drive 2” lag screws for wood construction <OR> minimum (4) 1/4” FPAS toggle wall anchor (or equivalent)
- Main Display will receive (1) Input:
 - Video Content via “HDMI 1”
- Main Display will receive Control from Main Display RX via RS232
- Main Display shall be a 90” Display, operating at Full HD (1920 x 1080)

2. Main Display RX: EQP-VID-004

- Device shall be an Extron DTP HDMI 4K 230 RX
- Main Display RX shall be installed on the back of the Main Display
 - Main Display RX shall be attached securely to Main Display
- Main Display RX will receive (1) Input:
 - DTP Signal via “DTP IN”
- Main Display RX will provide (1) Output:
 - Video Content via “HDMI Out”
- Main Display RX will provide Main Display Control via “RS232”

3. Video Switch: EQP-VID-001

- Device shall be an Extron IN1608 xi
- Video Switch shall be installed in the IDF Rack
 - Video Switch shall be installed plum and level
- Video Switch shall receive (2) Inputs:
 - Clerk/Media PC via “DTP 1”
 - Guest Presenter via “DTP 2”
- Video Switch shall provide (2) Outputs:
 - Main Display via “DTP Out”
 - Capture Device via “HDMI Out 1”

4. HDMI/VGA Extenders: EQP-VID-002 & EQP-VID-003

- Devices shall be Extron DTP T UWP 4K 232 D Black Wallplates
- HDMI/VGA Extenders shall be installed in the Clerk/Media PC Desk and the Guest Podium
 - HDMI/VGA Extenders shall be installed plum and level
 - HDMI/VGA Extenders shall be easily accessible by Users

5. Capture Device: EQP-VID-005

- Device shall be an OFE Marantz PMD580
- Capture Device shall be installed in IDF Rack
 - Capture Device shall be installed plum and level

- c. Capture Device shall receive (2) Inputs:
 - i. Video Content via “HDMI”
 - ii. Audio/Speech Content via “Audio In”
- d. Capture Device will receive Camera Input pending Discovery and potential Change-Order

C. AUDIO

1. Audio DSP: EQP-AUD-001

- a. Device shall be a Biamp Tesira SERVER-IO
 - i. Audio DSP shall be equipped with:
 - (6) SEC-4 Input Cards
 - (2) SOC-4 Output Cards
- b. Audio DSP shall be installed in the IDF Rack
 - i. Audio DSP shall be installed plum and level
- c. Audio DSP shall receive (22) Inputs:
 - i. Program Audio from Video Switch via “In 1.1 & 1.2”
 - ii. Wireless Microphone 1 via “In 1.3”
 - iii. Wireless Microphone 2 via “In 1.4”
 - iv. Wireless Microphone 3 via “In 2.1”
 - v. Clerk Wired Mic 1 via “In 2.2”
 - vi. Clerk Wired Mic 2 via “In 2.3”
 - vii. Clerk Wired Mic 3 via “In 2.4”
 - viii. Dais Wired Mic 1 via “In 3.1”
 - ix. Dais Wired Mic 2 via “In 3.2”
 - x. Dais Wired Mic 3 via “In 3.3”
 - xi. Dais Wired Mic 4 via “In 3.4”
 - xii. Dais Wired Mic 5 via “In 4.1”
 - xiii. Dais Wired Mic 6 via “In 4.2”
 - xiv. Dais Wired Mic 7 via “In 4.3”
 - xv. Dais Extension Wired Mic 1 via “In 4.4”
 - xvi. Dais Extension Wired Mic 2 via “In 5.1”
 - xvii. Dais Extension Wired Mic 3 via “In 5.2”
 - xviii. Dais Extension Wired Mic 4 via “In 5.3”
 - xix. Staff Wired Mic 1 via “In 5.4”
 - xx. Staff Wired Mic 2 via “In 6.1”
 - xxi. Staff Wired Mic 3 via “In 6.2”
- d. Audio DSP shall provide (5) Outputs:
 - i. Press XLR Feed 1 via “Out 1”
 - ii. Press XLR Feed 2 via “Out 2”
 - iii. ALS System via “Out 3”
 - iv. Main Council Chamber Speakers via “Out 4”
 - v. Lobby Overflow Speakers via “Out 5”
 - vi. Capture Device via “Out 6”

2. ALS System: EQP-ASS-001

- a. System shall be a William Sound FM 457 PRO
- b. ALS System shall be installed in the IDF Rack
 - i. ALS System shall be installed plum and level
- c. ALS System will receive (1) Input:
 - i. Audio/Speech Content via “Audio In”
- d. ALS System shall provide (4) Receiver Units:
 - i. Receiver Units shall each include (1) set of Earphones
 - ii. Receiver Units shall each include (1) Inductive Loop

3. Audio Amplifier: EQP-AMP-001

- a. Device shall be a QSC MP-A20V
- b. Audio Amplifier shall be installed In the IDF Rack
 - i. Audio Amplifier shall be installed plum and level
- c. Audio Amplifier will take (2) Inputs:
 - i. Main Council Chamber Audio via “In 1”
 - ii. Lobby Overflow Audio via “In 2”
- d. Audio Amplifier will provide (2) Outputs:
 - i. Main Council Chamber Speakers via “Out 1”
 - ii. Lobby Overflow Speakers via “Out 2”

4. OFE In-Ceiling Speakers: EQP-SPK-001 – EQP-SPK-004

- a. Devices shall be Owner Furnished In-Ceiling Speakers
- b. In-Ceiling Speakers are already installed
 - i. (2) in Main Council Chambers
 - ii. (2) in Lobby
- c. In-Ceiling Speakers will be powered by Audio Amplifier:
 - i. “Main Council Chambers” via “Out 1”

- ii. "Lobby Overflow" via "Out 2"
 - 5. **Wired Microphone Bases: EQP-MIC-001 – EQP-MIC-017**
 - a. Devices shall be Shure MX400DP Microphone Bases
 - b. Wired Microphone Bases shall be installed in place of existing XLR Bases
 - i. Wired Microphone Bases shall be secured over the top of existing Base Plate cutouts
 - c. Wired Microphones will connect to the Audio DSP and Audio Logic Expanders
 - 6. **Wired Microphones: EQP-MIC-018 – EQP-MIC-030**
 - a. Devices shall be Shure MX415LP/C Microphones
 - b. Wired Microphones shall be installed into Wired Microphone Bases
 - 7. **Wireless Microphone 1: EQP-MIC-036**
 - a. Device shall be a Shure QLXD24/B87A-J50A
 - b. Wireless Microphone 1 shall be installed in the IDF Rack
 - i. Wireless Microphone 1 shall be installed plum and level
 - c. Wireless Microphone 1 will connect to the Audio DSP
 - d. Wireless Microphone 1 will be a Handheld Transmitter with a Beta87A capsule
 - 8. **Wireless Microphone 2: EQP-MIC-038**
 - a. Device shall be a Shure QLXD24/85-J50A
 - b. Wireless Microphone 2 shall be installed in the IDF Rack
 - i. Wireless Microphone 2 shall be installed plum and level
 - c. Wireless Microphone 2 will connect to the Audio DSP
 - d. Wireless Microphone 2 will be a Bodypack Transmitter with a WL185 Lavalier capsule
 - 9. **Wireless Microphone 3: EQP-MIC-035**
 - a. Device shall be a Shure QLXD4/J50A
 - b. Wireless Microphone 3 shall be installed in the IDF Rack
 - i. Wireless Microphone 3 shall be installed plum and level
 - c. Wireless Microphone 3 will connect to the Audio DSP
 - d. Wireless Microphone 3 will be an XLR Base Transmitter with a MX415LP/C microphone
 - 10. **Wireless Microphone 4: EQP-MIC-050**
 - a. Device shall be a Shure QLXD4/J50A
 - b. Wireless Microphone 4 shall be installed in the IDF Rack
 - i. Wireless Microphone 4 shall be installed plum and level
 - c. Wireless Microphone 4 will connect to the Audio DSP
 - d. Wireless Microphone 4 will be a ULXD8 Boundary Transmitter
 - 11. **Press XLR Feeds: EXP-WAL-001 & EQP-WAL-002**
 - a. Devices shall be RCI Custom XLR Wallplates
 - b. Press XLR Feeds shall be installed near existing Press Feed location
 - i. Press XLR Feeds shall be installed plum and level
 - ii. 18" AFF
 - c. Press XLR Feeds shall provide (1) Output:
 - i. Meeting Audio via "XLR"
- D. **CONTROL**
- 1. **IDF Rack: EQP-RAC-001**
 - a. Rack shall be a Lowell Mfg LWBR-3532 Wall-Mounted Floor Rack
 - b. IDF Rack shall be installed in place of existing IDF Rack
 - i. IDF Rack shall be installed plum and level
 - ii. IDF Rack shall be secured to IDF Wall
 - iii. Secured with minimum (8) Simpson Strong-Drive 2" lag screws for wood construction <OR> minimum (4) 1/4" FPAS toggle wall anchor (or equivalent)
 - 2. **Control Processor: EQP-CTR-001**
 - a. Device shall be an Extron IPCP Pro 550
 - b. Control Processor shall be installed in the IDF Rack
 - i. Control Processor shall be installed plum and level
 - c. Control Processor will provide RS232 Control for 7 Devices:
 - i. Touch Panel via Ethernet
 - ii. Main Display via 232 Injection
 - iii. Video Switch via "COM 4"
 - iv. Capture Device via "COM 5"
 - v. Audio DSP via "COM 6"
 - vi. Audio Logic Expander 1 via "COM 7"
 - vii. Audio Logic Expander 2 via "COM 8"
 - 3. **Touch Panel: EQP-CTR-002**
 - a. Device shall be an Extron TLP Pro 1025T Black

- b. Touch Panel shall be installed on the Clerk/Media Desk
 - i. Touch Panel will be a Table Top unit
- c. Touch Panel shall provide User Control over the A/V System
 - i. All System functions will be accessible within 3 User Actions
 - ii. Touch Panel UI will focus on Simplicity and Efficiency
- 4. Audio Logic Expanders: EQP-AUD-011 & EQP-AUD-013**
 - a. Devices shall be Biamp Tesira EX-LOGIC units
 - b. Logic Expanders shall be installed in the IDF Rack
 - i. Logic Expanders shall be installed plum and level
 - c. Logic Expanders will provide Logic Control for 17 Devices:
 - i. Wired Microphone Mute States and Indicator Light States
- 5. Network Switch: EQP-NET-001**
 - a. Device shall be a Ubiquiti US-8-60
 - b. Network Switch shall be installed in the IDF Rack
 - i. Network Switch shall be installed plum and level
 - c. Network Switch will provide (8) Network Ports
 - d. Network Switch shall provide PoE Power on (4) of the Network Ports
- 6. Power Injector: EQP-NET-003**
 - a. Device shall be an Extron XTP PI 100
 - b. Power Injector shall be installed in the IDF Rack
 - i. Power Injector shall be secured to the IDF Rack
 - c. Power Injector will provide extra PoE Power for Touch Panel
- 7. Control Functions**
 - a. User Interface shall be a complete refresh of the existing UI layout
 - i. Controls may be changed, supplemented, or removed to account for updated System functionality
 - b. User Interface shall provide control over all Source selection
 - i. Clerk/Media PC
 - ii. Guest Presenter
 - iii. DSP
 - Volume control for "Program Audio"
 - On/Off control for "Lobby" Audio
 - Discreet control over individual Microphone Mutes
 - c. User Interface shall provide control for Recording
 - i. Simple Button to Start/Stop Recording

E. LABOR

1. Technicians

- a. Week 1 - 4 Technicians (120 hours allocated)
- b. Week 2 - 2 Technicians (30 hours allocated)

2. Schedule

- a. Week 1
 - i. Remove old cable not being re-used
 - ii. Remove old equipment not being re-used
 - iii. Install new Category wiring to all required locations
 - iv. Install new LV wiring to all required locations
 - v. Terminate all Category wiring
 - vi. Terminate all LV wiring
 - vii. Install all under-table equipment
 - viii. Install all surface equipment
- b. Week 2
 - i. Reload Rack
 - ii. Terminate rack
 - iii. Validate terminations
 - iv. Validate configurations

3. Wages

- a. Prevailing Wage

F. SITE LOGISTICS

1. Parking

- a. Parking is available

2. Identification

- a. Employees to check in at City Office

3. Hours

- a. Facility can be accessed Mon-Fri, 7:00AM-6:00PM

4. Safety

- a. Weekly safety meetings, Wednesday @ 8AM

- i. Any employee who fails to make meeting shall be removed from jobsite

PROPOSAL

Council Chambers AV Update

City of Yuba City

Revision: 12
Modified: 6/3/2019



Presented By:

Tri Path Technology Group

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Admin

1 General Project Admin Package **\$9,716.50**

Generic Labor/Misc Package for Projects

- 1 House Brand Misc Parts
Misc Parts for Install (Rack screws, hardware for mounting components, cable Labels, Velcro, cable support etc.) Plan printing. Submittal package costs
- 1 House Brand Shipping
Shipping Costs (Estimate Only, Actual Charges will Apply). Includes time for pre-install testing if such items are included in the work.
- 1 House Brand Travel Mileage
Charges for travel (fuel, maintenance, etc) - 2 Vehicles
- 1 Tri Path Off Site Admin
Off Site Administrative Labor
- 1 Tri Path On Site
On Site Labor for Existing Equipment Removal
- 1 Tri Path Programming Services
Control System Programming
- 1 Tri Path Travel Labor
Off Site Labor for Travel (4 Crew)

Admin Total

\$9,716.50

Admin Total

\$9,716.50


* Price Includes Accessories

Council Chambers AV Update

Project No : TRI-0450

Rev. 12 6/13/2019

Structure

	1	Lowell Mfg LWBR-3532 35 RU, 32" D - Wall-mount rack swings open with a single-release grasp and pivots smoothly on internal spring-loaded hinges and stainless steel ball transfers set into the base, which adds an additional 4U to load capacity. Slam latch closure.	\$2,888.53 *
	1	Lowell Mfg FW4-7 Fan panel-4 fan, 7U - no thermostat. Thermostat model has a T at the end of the model number	
	1	Lowell Mfg LFD-35FV Front fully vented door-35U. For rack series: LDTR, LER, LFR, LGR, LPR, LPPR, LSER, LSGR, LWBR, LWR, LWSR.	
	1	Lowell Mfg RRD-35 Rack Rail-35U, Tapped 10-32, 1pr. for use with LER, LGR, LSER, LSGR, LPR, LPPR, and LWR	
	10	SnapAV SR-BLNK-1U Strong Rack Blank Panel 1U	\$217.50
	5	SnapAV SR-BLNK-2U Strong Rack Blank Panel 2U	\$128.00
	5	SnapAV SR-BLNK-3U Strong Blank Rack Panel 3U	\$143.25
Structure Total			\$3,377.28

IDF Total

\$3,377.28









* Price Includes Accessories

Council Chambers AV Update

Project No : TRI-0450

Rev. 12 6/13/2019

Audio

	1	Audio Technica U857QLU UniLine Condenser Quick-Mount Gooseneck Microphone, 23.74" long	\$342.65
	1	Biamp TESIRA SERVER-IO Tesira DSP server with up to 48 channels of I/O, 1 DSP-2 card (2 additional DSP-2 cards can be added) no AVB-1 network card	\$7,265.30 *
	1	Allen Tel AT1615-BU CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.	
	6	Biamp TESIRA SEC-4 4-Channel mic/line modular input card for SERVER with acoustic echo cancellation	
	2	Biamp TESIRA SOC-4 4-Channel line level modular output card for Tesira SERVER	
	15	West Penn Wire-cdt 454 1 pair 22 stnd shielded cm tinned	
	1	Willwin DB9-G3-M-S DB9-G3 9Pins Male Adapter with Phoenix RS232 Serial to RXD TXD GND 235 Terminal - includes thumbscrews for mounting (priced each, ordered in pairs).	
	1	QSC MP-A20V 400W FlexAmp technology Hi-Z / Lo-Z amplifier, 2 x 200W into 4Ω, 8Ω, 70V and 100V, Highpass filter per channel, GPIO for Remote Standby and Amp Status	\$974.15
	1	Shure QLXD14/85-J50A Lavalier wireless system. J50A band. Includes :WL185, QLXD1, QLXD4, power supply, 2 AA batteries, two 1/2 wave antennas, 2 BNC cables, zipper bag, 2 BNC bulkhead adapters, rackmount kit.	\$1,138.09 *
	15	West Penn Wire-cdt 454 1 pair 22 stnd shielded cm tinned	
	1	Shure QLXD24/B87A-J50A Handheld Wireless Microphone System - Featuring a BETA 87A handheld wireless microphone transmitter, QLXD24/B87A combines professional features with simplified setup and operation. J50A Frequency Band.	\$1,204.36 *

* Price Includes Accessories

Council Chambers AV Update

Project No : TRI-0450

Rev. 12 6/13/2019



1 Neutrik NC3FXX
3 pole female cable connector with Nickel housing and silver contact

15 West Penn Wire-cdt 454
1 pair 22 stdn shielded cm tinned



2 Shure QLXD4/J50A \$1,481.68 *
Digital wireless receiver, J50A



2 Neutrik NC3FXX
3 pole female cable connector with Nickel housing and silver contact

30 West Penn Wire-cdt 454
1 pair 22 stdn shielded cm tinned



1 Shure UA8100 \$451.99
UHF Remote Antenna Extension Cable, BNC-BNC, RG213/U Type, 100 feet.



1 Shure UA844+SWB/LC \$618.96
Wideband UHF (470-952 MHz) Five-Way Active Antenna Splitter and Power Distribution System, external power supply. For QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers.



1 Shure UA850 \$257.70
This is a 50-foot Extension Cable with BNC connectors for use with UA844 to UA870WB, and UA820L wireless systems.



2 Shure UA864US \$1,005.48
The UA864US antenna provides wideband RF coverage in a low-profile enclosure that mounts easily on a wall or ceiling. Works with ULX-D Digital, UHF-R, and ULX Wireless Systems, as well as Axient Wireless Management Network.



1 Shure ULXD6/O-J50A \$640.68
ULXD6 Boundary Microphone Transmitter, J50 frequency band



1 Shure ULXD8/J50A \$462.11
Cardioid wireless boundary microphone for ULXD and QLXD. Includes AA Alkaline Batteries, J50A Band

1 Shure QLX/ULXD Rechargeable Battery Kit \$985.00



4 Shure SB900A
Lithium ion rechargeable battery. Works with PSM®300 (P3RA only), PSM®900 (P9RA only), PSM®1000, UR5 Portable Diversity Receiver, QLX-D® Digital Wireless Systems, and ULX-D® Digital Wireless Systems.

* Price Includes Accessories

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- 1 Shure SBC200
Dual docking battery charger, works with P9RA, P10R, and ULX-D digital wireless system, does not include power supply. May be daisy chained with SBC200-US. Up to three SBC200 units may be chained off an SBC200-US with no addtl cables.
- 1 Shure SBC200-US
Dual Docking Charger with Power Supply. rechargeable powering option for the PSM 900, PSM 1000, UR5 Portable Diversity Receiver, QLXD and ULXD Digital Wireless Systems

430 West Penn Wire-cdt 454 **\$1,180.36**

1 pair 22 stnd shielded cm tinned



1 Williams Sound FM 457 PRO **\$1,426.31 ***

The FM 457 PRO features the PPA T45 transmitter - includes four R37 receivers, each featuring seek-button channel selection with access to 17 pre-set wideband frequencies between 72-76 MHz, and a coaxial cable and rack panel kit for professional installation.



- 1 Neutrik NC3MXX
3 pole male cable connector, Nickel housing, silver contact

Audio Total **\$19,434.82**

Video



1 Extron IN1608 xi **\$2,328.73 ***

Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension

- 1 Allen Tel AT1615-BU
CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.



- 1 SnapAV B6-4K-4
Binary B6 certified premium high speed HDMI cable with ethernet - 4 meter

- 30 West Penn Wire-cdt 454
1 pair 22 stnd shielded cm tinned

1 GENERIC Generic Capture Device **\$386.90 ***

Owner Furnished Equipment - Includes Labor - Generic Capture Device




- 1 Allen Tel AT1615-BU
CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.

* Price Includes Accessories

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	15	West Penn Wire-cdt 454 1 pair 22 stdn shielded cm tinned	
	1	Willwin DB9-G3-F-S DB9-G3 9Pins Female Adapter with Phoenix RS232 Serial to RXD TXD GND 235 Terminal, priced each. This unit has thumbscrews for mounting to displays etc. ordered in pairs	
	1	Willwin DB9-G3-M-S DB9-G3 9Pins Male Adapter with Phoenix RS232 Serial to RXD TXD GND 235 Terminal - includes thumbscrews for mounting (priced each, ordered in pairs).	
	3	Panduit STP6X6VL 6 ft., Category 6A, 10 Gb/s S/FTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end. Violet	\$95.46
	45	West Penn Wire-cdt 454 1 pair 22 stdn shielded cm tinned	\$123.54


Video Total \$2,934.63

Control

	1	Extron IPCP Pro 550 IPCP Pro Control Processor	\$2,531.53 *
	1	Allen Tel AT1615-BU CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.	
	1	Extron RSU 129 1u, 19" rack shelf	

Control Total \$2,531.53

Network

	1	Ubiquiti Networks US-8-60 8-port gigabit switch with four 802.3af PoE ports. Its auto-sensing PoE ports deliver up to 15.4W of power per port. The US-8 is a PoE Powered 8-port gigabit switch with PoE Passthrough.	\$350.27 *
	1	Allen Tel AT1615-BU CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.	

* Price Includes Accessories

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1 SnapAV SR-SHELF-FIXED-1U
Strong Fixed Rack Shelf 1U

Network Total

\$350.27

Power



1 **Middle Atlantic UPS-S1500R**
Select Series UPS Backup power, 2RU, 1500VA

\$727.62



2 **SnapAV WB-100-VPS-20**
WattBox Vertical Rack Mount Power Strip - 20 Outlet - 15 AMP - 6ft Cord (Black)

\$414.00

Power Total

\$1,141.62

Structure



1 **SnapAV SR-IT-WIREMGT-HORZ**
Strong horizontal wire management

\$74.88



1 **SnapAV SR-LACEBAR-H**
Strong Rack Horizontal Lacing L Bar (Black | Pack of 5)

\$51.88



1 **SnapAV SR-LACEBAR-H-OFF4**
Strong™ Rack Horizontal 4" Offset Lacing L Bar (Black | Pack of 5)

\$70.88



1 **SnapAV WP-BPP-24**
Wirepath Rack Mount 24-port Blank Patch Panel - 1RU (Black).

\$70.88

Structure Total

\$268.52

IDF: Rack Total

\$26,661.39









* Price Includes Accessories

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Video

	1	Extron DTP HDMI 4K 230 RX HDMI Rx - 230 feet (70 m), 4K	\$898.24 *
	2	Leviton 6ASJK-RP6 Atlas-X1 Cat 6A Shielded QuickPort Connector, Component-Rated, Purple	
	1	SnapAV B6-4K-1 Binary B6 certified premium high speed HDMI cable with ethernet - 1 meter	
	100	SnapAV SP-CAT6-SH-1000-BLU Wirepath bulk wire Cat6 550MHz shielded 23/4 CMG-rated wire - 1000ft wood drum (blue). Priced per foot	
	10	West Penn Wire-cdt 454 1 pair 22 stdn shielded cm tinned	
	2	Willwin DB9-G3-F-S DB9-G3 9Pins Female Adapter with Phoenix RS232 Serial to RXD TXD GND 235 Terminal, priced each. This unit has thumbscrews for mounting to displays etc. ordered in pairs	
	6	Fastenal 1/4 20x3.5 PPH MS Z 1/4" 20x3.5 3.5" machine bolt for use with 1/4 FPAS FLipTog Bulk	\$80.04
	1	Panduit STP6X6VL 6 ft., Category 6A, 10 Gb/s S/FTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end. Violet	\$31.82
	1	Sharp PN-LE901 Sharp 90" Commercial LCD TV	\$7,269.94 *
	1	Chief LVS1U ConnexSys video wall landscape mounting system with rail. OSHPD certified	
	6	Fastenal 1/4 FPAS FLipTog Bulk 1/4" Flip Toggle	

Video Total

\$8,280.04

* Price Includes Accessories

Structure



1 SnapAV DECOR-1-WH **\$70.30 ***
Wirepath Decorative Single Gang Wall Plate (White)



1 Arlington CED130
Arlington Cable Entry Device with Slotted Cover, low voltage
passthrough, white



1 Arlington LV1
Arlington Single Gang Low Voltage Retrofit Mounting Bracket (Box
of 10), priced each

Structure Total **\$70.30**

Council Chambers: Display Total **\$8,350.34**

* Price Includes Accessories

Audio



7 Audio Technica AT8666RSC **\$4,030.95 ***
 Microphone Desk Stand with switch and external contact closure - equipped with a 3-pin XLR-type in, and a 5-pin XLRM-type output connector



7 Audio Technica U857QLU
 Owner Furnished Equipment - Includes Labor - UniLine Condenser Quick-Mount Gooseneck Microphone, 23.74" long



7 Neutrik NC5FXX-B
 5 pole female cable connector with black metal housing and gold contacts.



7 Neutrik NC5MXX-B
 5 pole male cable connector with black metal housing and gold contacts.








700 SnapAV NST-224-SH-R-1K-GRY
 Binary cable with 22-gauge, 4-conductor, 7-strand and CMR-rated shielded audio/control wire, gray. Priced per foot, ordered as 1000ft

Audio Total **\$4,030.95**

Council Chambers: Dais Total **\$4,030.95**

* Price Includes Accessories

Audio

	4	Audio Technica AT8666RSC	\$3,546.48 *
		Microphone Desk Stand with switch and external contact closure - equipped with a 3-pin XLR-F-type in, and a 5-pin XLR-M-type output connector	
	4	Audio Technica U857QLU UniLine Condenser Quick-Mount Gooseneck Microphone, 23.74" long	
	4	Neutrik NC5FXX-B 5 pole female cable connector with black metal housing and gold contacts.	
	4	Neutrik NC5MXX-B 5 pole male cable connector with black metal housing and gold contacts.	
	400	SnapAV NST-224-SH-R-1K-GRY Binary cable with 22-gauge, 4-conductor, 7-strand and CMR-rated shielded audio/control wire, gray. Priced per foot, ordered as 1000ft	

Audio Total






\$3,546.48

Council Chambers: Dais Extension Total

\$3,546.48





* Price Includes Accessories

Audio

	3	Audio Technica AT8666RSC	\$2,659.86 *
		Microphone Desk Stand with switch and external contact closure - equipped with a 3-pin XLR-type in, and a 5-pin XLRM-type output connector	
	3	Audio Technica U857QLU UniLine Condenser Quick-Mount Gooseneck Microphone, 23.74" long	
	3	Neutrik NC5FXX-B 5 pole female cable connector with black metal housing and gold contacts.	
	3	Neutrik NC5MXX-B 5 pole male cable connector with black metal housing and gold contacts.	
	300	SnapAV NST-224-SH-R-1K-GRY Binary cable with 22-gauge, 4-conductor, 7-strand and CMR-rated shielded audio/control wire, gray. Priced per foot, ordered as 1000ft	

Audio Total	\$2,659.86
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Video

	1	Extron DTP T UWP 4K 232 D Black	\$1,338.81 *
		Two input DTP transmitter for HDMI and VGA - decora wallplate. 70m. BLACK	
	2	Leviton 6ASJK-RP6 Atlas-X1 Cat 6A Shielded QuickPort Connector, Component-Rated, Purple	
	1	SnapAV B4-VGA-AUD-25FT Binary B4 series male to male VGA cable with 3.5mm stereo plug, 25 feet	
	1	SnapAV B6-4K-7.5 Binary B6 Certified Premium High Speed HDMI Cables with Ethernet - 7.5M	

* Price Includes Accessories



125 SnapAV SP-CAT6-SH-1000-BLU
Wirepath bulk wire Cat6 550MHz shielded 23/4 CMG-rated wire - 1000ft wood drum (blue). Priced per foot



1 Panduit STP6X6VL \$31.82
6 ft., Category 6A, 10 Gb/s S/FTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end. Violet

Video Total \$1,370.63

Control



1 Extron TLP Pro 1025T Black \$2,490.78 *
10" capacitive touchscreen with 1280x800 resolution and 24-bit color depth (Black)

3 Allen Tel AT1615-BU
CAT6 patch cable, 24ga, snagless plug. Designed to exceed TIA/EIA-68-B.2-1 category 6 standard. Blue, 15'.



1 Extron XTP PI 100
XTP Power Injector



2 Leviton 61UJK-RL6
Atlas-X1 Cat 6 QuickPort Connector, Component-Rated, Blue



100 SnapAV NST-CAT6-1000-BLU
Binary Cable CAT 6 550MHz Unshielded 23/4.58mm CMG-Rated Wire - 1000 feet - priced per foot, Nest in Box, Blue

Control Total \$2,490.78

Council Chambers: Clerk/Media Desk Total \$6,521.27

* Price Includes Accessories

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Video



1 Extron DTP T UWP 4K 232 D Black \$862.00 *

Two input DTP transmitter for HDMI and VGA - decora wallplate. 70m. BLACK



1 Panduit STP6X6VL
6 ft., Category 6A, 10 Gb/s S/FTP patch cord with TX6A™ 10Gig™
Modular Plugs on each end. Violet



1 SnapAV B4-VGA-AUD-25FT
Binary B4 series male to male VGA cable with 3.5mm stereo plug,
25 feet



1 SnapAV B6-4K-7.5
Binary B6 Certified Premium High Speed HDMI Cables with
Ethernet - 7.5M



125 SnapAV SP-CAT6-SH-1000-BLU \$530.97 *

Wirepath bulk wire Cat6 550MHz shielded 23/4 CMG-rated wire - 1000ft wood
drum (blue). Priced per foot



2 Leviton 6ASJK-RP6
Atlas-X1 Cat 6A Shielded QuickPort Connector, Component-Rated,
Purple






Video Total \$1,392.97

Council Chambers: Guest Presenter Total \$1,392.97

* Price Includes Accessories

Council Chambers: Staff Desk

Audio

	3	Audio Technica AT8666RSC	\$2,659.86 *
		Microphone Desk Stand with switch and external contact closure - equipped with a 3-pin XLR-type in, and a 5-pin XLRM-type output connector	
	3	Audio Technica U857QLU UniLine Condenser Quick-Mount Gooseneck Microphone, 23.74" long	
	3	Neutrik NC5FXX-B 5 pole female cable connector with black metal housing and gold contacts.	
	3	Neutrik NC5MXX-B 5 pole male cable connector with black metal housing and gold contacts.	
	300	SnapAV NST-224-SH-R-1K-GRY Binary cable with 22-gauge, 4-conductor, 7-strand and CMR-rated shielded audio/control wire, gray. Priced per foot, ordered as 1000ft	

Audio Total

\$2,659.86

Council Chambers: Staff Desk Total

\$2,659.86

Council Chambers: Press

Audio

	2	RCI Custom Custom Order	\$324.28
		Custom AV plate from RCI Custom	

Audio Total

\$324.28

Council Chambers: Press Total

\$324.28

* Price Includes Accessories

Council Chambers AV Update

Project No : TRI-0450

Rev. 12 6/13/2019

Project Subtotal:

\$66,581.32

* Price Includes Accessories

Council Chambers AV Update

Project No : TRI-0450

Rev. 12 6/13/2019

PROJECT SUMMARY

Total Installation Price:	\$66,581.32
Sales Tax:	\$3,419.29

Grand Total: **\$70,000.61**

Client: Brian Hansen

Date

Contractor: Tri Path Technology Group
1016628

Date

Contract

Presented By:

Modified: 6/3/2019
Revision: 12



Council Chambers AV Update

Tri Path Technology Group

3075 Cohasset Rd Suite 1
License # 1016628
Chico, CA 95973 US
O: 530.924.5063
www.tripath.us

City of Yuba City

Contract

This Contract, effective as of _____ ("Effective Date"), is entered into by and between the "Parties": Tri Path, a corporation organized and existing under the laws of the State of California, with its principal place of business at 3075 Cohasset Rd Suite 1 Chico, CA 95973 ("Contractor") and _____, a _____ (entity type) organized and existing under the laws of the State of _____, with its principal place of business at _____, ("Client").

The location ("Site") of the work to be performed by the Contractor shall be:

Address: _____

City: _____ State _____ Zip: _____

The Contractor shall have access to the Site on the following days of the week:

Days: _____

The Contractor shall have access to the Site between the hours listed below:

Hours: _____

The Contractor has developed a Scope of Work and a Proposal for the Client, attached, and wishes to provide the materials and services depicted therein pursuant to the terms and conditions of this Contract.

In consideration of these premises, and of the mutual promises and conditions in this Contract, the Contractor and the Client hereby agree as follows:

1. The general project description is contained in the attached Scope of Work and Proposal documents and any other drawings or related documents herein referred to as the "Proposal".
2. The specific work to be performed by Contractor is the installation of the specified materials and/or the provision of services as outlined in the Proposal.
3. The contract documents consist of this Contract, including all general provisions, special provisions, specifications, drawings, addenda, change orders, written interpretations, and written orders for minor changes in work. The costs associated with any related work or materials, including, but not limited to electrical, drywall, painting, furniture, racks or other labor or materials are not included unless specifically documented in the proposal.
4. The total amount to be paid by the Client for the performance (subject to additions and deductions by written change order) shall not exceed the total specified in the Proposal without prior written notice by the Contractor and a signed response by the Client.
5. Payment is due at the time payments are requested by the Contractor. Any unpaid balance beyond 30 days after any payment request, delivered to the Client by the Contractor in the form of an Invoice, shall bear interest payable to Contractor at a rate of 2.5% per month simple interest.
6. The Proposal and quoted pricing shall be valid for 30 days following the date stated on the Scope of Work. Should this Contract and attached Proposal be approved by the client more than 30 days after the date on the Scope of Work, pricing may be adjusted by the Contractor if there are changes in pricing from the suppliers or subcontractors of the Contractor. Any such changes will be delivered to the Client in a revised Scope of Work, Proposal and Contract.
7. No work or materials procurement shall be scheduled by the Contractor without a deposit (see section 15 a, below) plus a

signed copy of this Contract.

8. Client agrees to keep all Scope of Work, Proposal and Contract documents confidential as these are the intellectual property of the Contractor. Such documents are not to be used by the Client to solicit bids from other Contractors.
9. Hidden construction elements may be present, potentially forcing the Scope of Work to exceed the time estimated by the Contractor to complete the project. Examples of hidden construction elements may include, but are not limited to: fire blocking in walls, limited above-ceiling or under-floor access, presence of asbestos or other hazardous materials, etc.
 - a. The Client shall be subject to back-charges at a rate of up to \$103.50 per man, per hour for all labor incurred by the Contractor involved in mitigating such issues. Any additional travel and/or materials expenses shall also be back-charged. See section 16 a. relating to Price.
 - b. Any such charges will be presented to the Client by the Contractor via change order. No work that may result in back charges will be performed by the Contractor without written approval by the Client.
 - c. The Contractor shall make no such claim if all areas of the Site are plainly visible to the Contractor during an initial Site walkthrough.
10. In the case of discontinuation or unavailability of materials, the Contractor reserves the right to replace proposed materials with comparable materials of equal value with written notice to be submitted to the Client. Should a comparable replacement result in an increase of the total project cost a change order must first be approved by the Client. The Contractor will not be held responsible or liable in any way for the discontinuation or unavailability of any proposed materials, or for delays caused by backorders of necessary materials. Upon project completion, Client clears the Contractor of any responsibility for a product's obsolescence.
11. With regard to Owner Furnished Equipment ("OFE"), Client agrees to hold the Contractor harmless for cost associated with the failure or future obsolescence of OFE materials as well as costs associated with the installation, programming, labor, travel or other ancillary costs generated in replacement of said OFE item(s). Any such changes of OFE materials must first be approved by the Client, presented by the Contractor in a change order.
12. Time
 - a. With respect to scheduled completion of the tasks depicted in the Scope of Work, time is of the essence.
 - b. If Contractor is delayed at any time in the progress of the work by Client change orders, fire, labor disputes, acts of God, site conditions, other trades, backorders of necessary materials or other causes beyond Contractor's control, the completion schedule for the Contractor's work or affected parts of the work shall be extended by the same amount of the time included in the change order or delay.
 - c. If the project completion date cannot be adjusted according to delays as listed in Section 12, part B above, resulting in a limited timeline for any service provided by the Contractor (system installation, programming, testing and/or client training), the Client agrees to compensate the Contractor for cost increases related to overtime scheduling required to meet the Completion Date. In such cases, the availability of staff for overtime work will be allocated as per the availability and the discretion of the Contractor.
 - d. The Client shall state the Project Start and Project Completion dates below if such milestones are mandatory. Changes in these dates as compared may require the Contractor to change project pricing according to the policies stated above.
 - e. The Client agrees to respond to all Change Orders presented by the Contractor within 48 hours of receipt of the change order. Delays in the processing, acceptance or denial of a change order may affect the Schedule of the

Contractor's work.

- f. Project start date: _____
- g. Project Completion Date: _____

13. Site Availability

- a. The Contractor shall notify the Client at least 48 hours in advance of a planned Site visit to perform the work described in the Proposal.
- b. Should the Site be occupied or otherwise unavailable to the Contractor after acceptance of a Schedule by the Client, the visit will be cancelled by the Contractor.
- c. Expenditures related to the visit incurred by the Contractor shall be billable from the Contractor to the Client on a time and materials basis.
- d. Such a visit will be rescheduled by the Contractor using the procedure detailed in the Contract.

14. Work by Others

- a. Should the Client, a representative of the client or any other third party other than the Contractor perform any System changes/updates, cause damage or otherwise cause any service issue with any System that requires time, material or software expenditures by the Contractor, all such costs shall be billable to the Client by the Contractor on a time and materials basis.

15. Payments and Completion

- a. A project deposit in the amount of \$ _____, as well as the attached Client Information Form, must be received from the Client by the Contractor before job materials can be ordered.
- b. A deposit in the amount of \$ _____ must be received before third-party programming can be scheduled.
- c. A deposit for custom materials relating to materials from _____ (Tri Path, Inc supplier/vendor/subcontractor) in the amount of \$ _____ are due prior to order of said materials.
- d. Progress Payments will be requested by the Contractor as milestones in the project timeline are reached. Progress Payment times are subject to the timing of the construction and may be requested prior to the start of the project in order for the Contractor to meet the project schedule. Progress payment milestones may include one or all of the following: Since Contractor will, if project timeline permits, open, test and burn-in equipment before delivery, the Contractor may generate a payment request for materials on hand plus related labor and shipping costs.
- e. Any disputes due to legal claims will be settled independently in good faith between the parties.
- f. Final payment shall be due immediately following substantial completion of the project.
- g. Contractor will hold Client harmless with respect to claims of subcontractors.

16. Price

- a. As consideration for the provision Services by the Contractor, the Price for the provision of the Services shall be that which is displayed on the final page of the Proposal.
- b. All Services performed on a "time and materials basis" as part of a change order, Warranty work or for any other

reason stated in this Contract shall be billed according to the following schedule:

- i. Driving/Off Site labor - \$60.00 per hour, per staff member, \$90.00 overtime. Includes labor expended by the Contractor for travel to and from a Client's Site, local materials procurement, load-in to Client's Site, and load-out from Client's Site. Travel is logged from the Contractor's facility, located at 3075 Cohasset Rd Suite 1 Chico, CA 95973, to and from the Client's Site.
- ii. Rough In labor - \$90.00 per hour, per staff member, \$135.00 overtime. Includes time expended by the contractor in removal/installation of wiring or other existing equipment, setting/installation of racks, installation of in-wall boxes or mud rings.
- iii. Trim Labor - \$127.50 per hour, per staff member, \$191.25 overtime. Includes equipment installation and interconnection (speakers, rack mount equipment, cable termination, existing equipment/system troubleshooting and service, or any other technical labor performed on a Client's Site, excepting Programming Services.
- iv. Finish Labor - \$160.00 per hour, per staff member, \$240.00 overtime. Includes System technical labor requiring specialized software or hardware to configure, program or update the firmware or software of Systems or devices, either on a Client's Site or via remote Service. Also includes time spent training Client or in Design services.
- v. Per diem - \$65 per staff member for Contractor staff when performing work on a Client's Site or driving to/from out of town on overtime or work that includes overnight lodging out of town. Charged only when defined in the Proposal or Change Order.
- vi. Lodging - Cost of lodging plus 10%. Charged only when defined in the Proposal or Change Order.
- vii. Vehicle/Mileage - \$0.635 per mile, per vehicle. Charged from the Contractor's facility, located at 3075 Cohasset Rd Suite 1 Chico, CA 95973, to and from the Site. Charged only when defined in the Proposal or Change Order.

17. Insurance & License

- a. Contractor shall purchase and maintain such insurance necessary to protect from claims under workers compensation and from any damage to the Client's property resulting from the conduct of this contract. Contractor shall possess and maintain a valid Contractor's license for the duration of the project.

18. Changes in the Contract

- a. The Client may order changes, additions, or modifications without invalidating the contract. Such changes must be in writing and signed by the client. The Contractor shall provide the Client in writing the amount of additional costs or cost reductions resulting from changes ordered within 15 working days unless this requirement is waived in writing by the Client. Change Orders will be billed in full upon Client acceptance of change and shall not alter the payment schedule as defined in the Contract.

19. Training

- a. The Contractor shall train representative(s) of the Client in use of Systems as described in the Proposal.
- b. If such training sessions are scheduled to occur on the same day as regularly scheduled Services of such Systems, travel labor and mileage will go unbilled to the Client by the Contractor. If training must be scheduled at another time and require a separately scheduled visit by the Contractor, travel costs will be billable from the Contractor to

the Client.

- c. Additional training requested by the Client after the initial training session will be billable from the Contractor to the Client on a time-and-materials basis, including travel costs. These will be defined in a separate Scope of Work, to be approved by the Client prior to scheduling by the Contractor.

20. Warranty Terms

The Contractor represents and warrants that:

- a. It will perform the Services with reasonable care and skill; and
- b. The Services and the Materials provided by the Contractor to the Client under this Contract will not infringe or violate any intellectual property rights or other right of any third party unless otherwise stated to the Client by the Contractor prior to the implementation of such Services and/or Materials.
- c. Manufacturer warranty will be honored by the Contractor on any products/materials sold to the Client during the period of said warranty, covered on a parts and labor basis. Materials and labor expended by the Contractor in the act of manufacturer warranted product/material removal, shipping, receiving, delivery and reinstallation of a warranty repaired item for the first 30 days after said item is initially installed shall go unbilled by the Contractor. Any such warranty Service performed 31 days or more after installation by the Contractor shall be billable from the Contractor to the Client on a time and materials basis.
- d. Should the Contractor find that a firmware update or any other system change requested by the Client results in necessary re-programming or re-configuration of a System or Systems, all such Service to restore the System to the standard of use as defined in the original scope of work shall be billed from the Contractor to the Client on a time and materials basis as defined in section 16.
- e. It is understood by the Client that, if the System provided by the Contractor is connected to the local network of the Client, evolving cyber-security threats may necessitate updates to Systems that may force the obsolescence, reprogramming and/ or reconfiguration of Systems by the Contractor. The Client will hold the Contractor harmless if such instances occur. Any and all expenses related to time, travel and materials incurred by the Contractor for such work will be billable from the Contractor to the Client on a time and materials basis.
- f. Unless a service contract between the Contractor and the client listed herein is detailed in this document, the cost of warranty service reflected in the Price section of this contract will prevail.

21. Limitation of Liability

- a. The Client acknowledges that if the Client requests updates or changes to Systems that the Contractor deems inappropriate, or wishes to have updates or changes applied before the Contractor deems them safe, the Contractor is not responsible for the consequences of such actions and that the Client will be billed on a time and materials bases by the Contractor for all Services provided relating to the consequences of such actions. Furthermore, if the Client performs or allows anyone other than the Contractor to perform maintenance, updates or changes on any System, the Contractor is not responsible for the consequences of such actions and the Client will be billed on a time and materials bases by the Contractor for all Services provided relating to the consequences of such actions.
- b. To the extent it is lawful to exclude the following heads of loss and subject to the Client's obligation to pay the Price, in no event shall either Party be liable for any loss of profits, goodwill, loss of business, loss of data or any other indirect or consequential loss or damage whatsoever.

- c. Nothing in this Section 21 will serve to limit or exclude either Party's liability for death or personal injury arising from its own negligence.

22. Term and Termination

- a. This Contract shall be effective on the date hereof and shall continue, unless terminated sooner in accordance with Section 22 (b), until the work stated in the Scope of Work and Proposal are completed.
- b. Either Party may terminate this Contract upon notice in writing if:
 - i. The other is in breach of any material obligation contained in this Contract, which is not remedied (if the same is capable of being remedied) within 30 days of written notice from the other Party so to do; or
 - ii. A voluntary arrangement is approved, a bankruptcy or an administration order is made or a receiver or administrative receiver is appointed over any of the other Party's assets or an undertaking or a resolution or petition to wind up the other Party is passed or presented (other than for the purposes of amalgamation or reconstruction) or any analogous procedure in the country of incorporation of either Party or if any circumstances arise which entitle the Court or a creditor to appoint a receiver, administrative receiver or administrator or to present a winding-up petition or make a winding up order in respect of the other Party.
 - iii. Any termination of this Contract (howsoever occasioned) shall not affect any accrued rights or liabilities of either Party nor shall it affect the coming into force of the continuance in force of any provision hereof which is expressly or by implication intended to come into or continue in force on or after such termination.

23. Relationship of the Parties

- a. The Parties acknowledge and agree that the Services performed by the Contractor, its employees, agents or sub-Contractors shall be as an independent Contractor and that nothing in this Contract shall be deemed to constitute a partnership, joint venture, agency relationship or otherwise between the Parties. The Contractor shall determine which Services are to be performed, and the order and method of providing those Services in response to requests from the Client. The Contractor provides Services to a variety of Clients and is not required to provide full time availability for Services to the Client. The Contractor agrees to pay all taxes related to the Services performed under this Contract. The Client is not providing any insurance coverage on the Contractor or Contractor's staff.

24. Confidentiality

- a. Neither Party will use, copy, adapt, alter or part with possession of any information of the other which is disclosed or otherwise comes into its possession under or in relation to this Contract and which is of a confidential nature. This obligation will not apply to information which the recipient can prove was in its possession at the date it was received or obtained or which the recipient obtains from some other person with good legal title to it or which is in or comes into the public domain otherwise than through the default or negligence of the recipient or which is independently developed by or for the recipient.

25. Notices

- a. Any notice which may be given by a Party under this Contract shall be deemed to have been duly delivered by hand, first class post, or electronic mail to the address of the other Party as specified in this Contract or any other address notified in writing to the other Party. Subject to any applicable local law provisions to the contrary, any such communication shall be deemed to have been made to the other Party, if delivered by:

- i. First class post, three days from the date of posting;
 - ii. Hand, on the date of such delivery; and
 - iii. Electronic mail, when the Party sending such receives confirmation of such delivery by electronic mail.
 - b. The failure of either Party to enforce its rights under this Contract at any time for any period shall not be construed as a waiver of such rights.
 - c. If any part, term or provision of this Contract is held to be illegal or unenforceable neither the validity of enforceability of the remainder of this Contract shall be affected.
 - d. Neither Party shall assign or transfer all or any part of its rights under this Contract without the consent of the other Party.
 - e. All capitalized terms herein shall have the meaning ascribed to them in the Contract, unless expressly defined otherwise herein.
 - f. This Contract may not be amended for any other reason without the prior written Contract of both Parties.
 - g. This Contract constitutes the entire understanding between the Parties relating to the subject matter hereof unless any representation or warranty made about this Contract was made fraudulently and, save as may be expressly referred to or referenced herein, supersedes all prior representations, writings, negotiations, or understandings with respect hereto.
 - h. This Section 25 (h) and Sections 20, 21, 22, 23, 24, 25, 26, 27 and 28 of this Contract shall survive any termination or expiration.
 - i. This Contract shall be governed by the laws of the State of California (the "Territory") and the Parties agree to submit disputes arising out of or in connection with this Contract to the non-exclusive of the courts in the Territory
26. Force Majeure.
- a. The Client acknowledges and agrees that the Contractor shall not be responsible for any failures or delays in performing the Services under this Contract which are caused by actions or events outside of the Contractor's control. Such actions include but are not limited to hardware failure, network interruption, actions taken by internet Contractors or other third parties, Acts of God, acts of civil or military authority, fires, wars, riots, earthquakes, storms or floods.
27. Hours of Service.
- a. Regular Hours.
 - i. Contractor hours of Service are 8:30 AM to 5:00 PM, on business days, excluding national holidays. All Services in this Contract are to be performed during Regular Hours unless otherwise specified.
 - b. Extended Hours.
 - i. Extended (overtime) hours shall consist of any hours worked by the Contractor outside the period defined as Regular Hours. This includes weekends, the period 5:00 PM to 8:00 AM during weekdays, and all holidays. Overtime rates will not be charged by the Contractor for work performed in Extended Hours only if the Proposal states that the Contractor must perform the Services outside of the Regular Hours,

Contract

defined above. No overtime charges will be incurred by the Client without written notice from the Contractor in the form of a change order.

28. Dispute Resolution.

- a. Should a dispute arise regarding the enforcement or application of any provisions of this Contract, the Parties agree to binding arbitration by a mediator associated with the American Arbitration Association. The mediator's arbitration decision will be enforceable according to the laws of the State of California.

IN WITNESS WHEREOF, the Parties hereto have signed this Contract and agree that it shall be binding upon the parties and their respective heirs, successors, and assigns.

Client:

SIGNED by (print): _____

Signature: _____

For and on behalf of: _____

Date: _____

Contractor:

SIGNED by: Charles Mahar, President

Signature: _____

For and on behalf of: Tri Path Technology Group, Inc

Date: _____