



AUDIO VISUAL
DESIGN GROUP

**2023 City Council Chambers AV System
Upgrade-v3**

prepared for:

The City of Joliet
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Quote #: 70737

job site:

The City of Joliet
150 W. Jefferson
Joliet, IL 60432

proposal issued / valid through:

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prepared by:

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scope of work

City Of Joliet

150 W Jefferson

Integrated Audio-Visual Systems Proposal

Introduction

Thank you for the opportunity to present you with this proposal. This proposal reflects the provision and integration of a display system that provides for both presentation and video conferencing capabilities. Based on our recent discussion with you and your design team, we have prepared this proposal to provide feature rich technology. We have carefully reviewed your requirements and believe the systems we propose are based on sound engineering principles, reliable technology and has been created to meet your specific requirements.

Executive Summary

AVDG, LLC is recognized as a highly talented and successful provider of integrated audio-visual systems throughout the United States. Our approach to AV is unique in that we believe in being a strategic partner to our clients; helping them develop and support their unique presentation and communication needs; both today and in the future. The intent is to ensure that we've captured the best technology for the client and maximize the cost/value of their AV investment. We work closely with a company's management and IT team to implement the technologies requested.

Our national team consists of over 150 incredibly talented individuals, representing many decades of AV design/integration experience with team members holding AV certifications and credentials widely respected in the industry. We have refined our model for success by hiring and retaining the best AV talent in the industry. AVDG is constantly expanding, we currently have branch offices in Chicago, Greater Boston, Nashville, & San Francisco while serving clients in all 50 states.

We partner with every major manufacturer in the AV industry: including audio (background, foreground & performance), video, broadcast, control, architectural & theatrical lighting, shading systems, surveillance systems, access control, and other ancillary communication components to custom design an AV system relevant to the specific needs of each client. AVDG maintains a remote service operations center in each time zone; this enables us to remotely diagnose and remedy system issues, often without the need to roll a truck. We are proud to provide design, sales, onsite & remote service, and installation to clients all over the United States.

Areas within AVDG's Scope of Work for this project:

- Council Chambers



scope of work

- Executive Conference Room
- Control Room

- Council Chambers –

AUDIO UPGRADE:

Design build: Install, integrate, commission, train on listed Owner Furnished Equipment (OFE) and new purchased equipment as listed herewith in. 1. Design, install and program new audio digital signal processor (DSP) to replace to current Shure audio mixers. The new DSP is to serve as the new audio mixer for the entire city council chamber upgrade. Pull and terminate any audio cabling needed for proper signal path. 2. Design and install new wired, wireless, and ceiling microphones at every position listed (Excel document), pull and terminate any audio cabling needed from microphone and wireless receiver location to new audio digital signal processor (DSP). 3. Design and install new zoned ceiling speakers throughout the council chambers, pull and terminate any audio cabling needed from ceiling speaker location to new audio amplifiers from newly designed audio mixes from digital signal processor (DSP). 4. Design, integrate and install audio signal path from new Crestron router to digital signal processor (DSP) and vice versa for all content audio to be shared for presentation, recording and distribution purposes. Pull and terminate any audio cabling needed for proper signal path. 5. Design, integrate and install audio signal path from new digital signal processor (DSP) to the recording mixes of the following destinations: Granicus (see document provided), audio recording backup, Joliet Community Television, in-house television feeds, video conferencing feeds, executive conference room and press feeds. Each feed is to have its own selectable audio mixer control and audio monitoring capabilities both with visual audio metering and speaker confidence. Pull and terminate any audio cabling needed for proper signal path. 6. Full integration needed to Joliet City Council Executive Conference Room. (See Scope of Work Section F) 7. Full integration needed to Joliet Community Television. (See Scope of Work Section H) 8. Re-Use existing Speakers VIDEO

UPGRADE: Design build: Install, integrate, commission, train on listed Owner Furnished Equipment (OFE) and new purchased equipment as listed herewith in. 1. Design, install and program new Crestron video router (TBD) to replace the original to system, pull and terminate any video or CAT 6 cabling needed from transmitter and receivers to new Crestron router. Program as necessary to accommodate several "meeting modes". 2. Work with IT staff to integrate (OFE) PC computer sources (4K) as inputs and outputs to the new router. 3. Design, install and program new soft codec video conferencing system. Joliet's primary software is Microsoft Teams, but the system needs to handle all current PC software. Video camera routing to the away destination needs to be part of Crestron control system. Video cameras are currently controlled by Joliet Community Television. Integration will be handled as alternate scope of work. 4. Replace and add new monitor locations throughout the council chambers. Each Dias position will receive a new larger 4K monitor. Monitors are currently used as an in-house switched program feed from Joliet Community Television and/or presentation material as decided by the



scope of work

city clerk. The new added monitors primary use will be used to show "guests" from away locations when the meeting is in "hybrid" mode. The two existing (OFE) projectors are considered a monitor destination. All monitor locations need to be routable. 5. Design, integrate and install video signal path from the new router to the recording mixes of the following destinations: Granicus (see document provided), Joliet Community Television, in-house television feeds, video conferencing feeds, executive conference room and press feeds. Each feed is to have its own discrete router output and have monitoring capabilities. Pull and terminate any video cabling needed for proper signal path. 6. Full integration to Joliet City Council Executive Conference Room. (See Scope of Work Section F) 7. Full integration to Joliet Community Television. LIGHTING: AVDG Will install: 14- H-2042-935-WT Silo Track Head 14- LENS-25-HCL Hex Lens 4 -HBXLE-WT Power Feed 2 -HI-WT Track Joiner 2 -HT2-WT 2FT Track 4 -HT8-WT 8FT Track

- Executive Conference Room

AUDIO/VIDEO UPGRADE" Design build: Install, integrate, commission, train on listed Owner Furnished Equipment (OFE) and new purchased equipment as listed herewith in. 1. Design and install new wired, wireless, and ceiling microphones at every position listed (Excel document), pull and terminate any audio cabling needed from microphone and wireless receiver location to new audio digital signal processor (DSP). 2. Design and install new zoned ceiling speakers throughout the executive conference room, pull and terminate any audio cabling needed from ceiling speaker location to new audio amplifiers from newly designed audio mixes from digital signal processor (DSP). 3. Design, integrate and install audio signal path from new Crestron router to digital signal processor (DSP) and vice versa for all content audio to be shared for presentation, recording and distribution purposes. Pull and terminate any audio cabling needed for proper signal path. 4. Design, integrate and install audio signal path from new digital signal processor (DSP) and Crestron video router to the recording mixes of the following destinations: Granicus (see document provided), audio recording backup, Joliet Community Television, in-house television feeds, video conferencing feeds, executive conference room and press feeds. Each feed is to have its own selectable audio mixer control and audio monitoring capabilities both with visual audio metering and speaker confidence. Pull and terminate any audio video cabling needed for proper signal path. 5. Work with IT staff to integrate (OFE) PC computer sources (4K) as inputs and outputs to the new router. 6. Design, install and program new soft codec video conferencing system. Joliet's primary software is Microsoft Teams, but the system needs to handle all current PC software. Video camera routing to the away destination needs to be part of Crestron control system. 7. Add 2 robotic video cameras for soft codec video conferencing system. Program as needed. 8. Add new monitor locations in the executive conference room. Monitors are currently used as an in-house switched program feed from Joliet Community Television and/or presentation material as decided by the city clerk. The new added monitors primary use will be used to show "guests" from away locations when the meeting is in "hybrid" mode or having a private meeting. The existing (OFE) projector is considered a monitor destination. All monitor locations need to be



scope of work

routable. 9. This executive conference room needs to act stand-alone during a normal meeting and need to be combined to the city council chamber as needed.

- Executive Conference Room

PROGRAMMING CONTROL SYSTEM:

Design build: Install, integrate, commission, train on listed Owner Furnished Equipment (OFE) and new purchased equipment as listed herewith in. 1. Program new video router as needed for all video routing throughout the facility. Program various preset modes to accommodate various meeting settings. 2. Program new audio digital signal processor (DSP) as needed for all audio mixing throughout the facility. Program various preset modes to accommodate various meeting settings. 3. Program 2 new robotic cameras for executive conference room. 4. Program 5 (OFE) Panasonic robotic cameras currently controlled by Joliet Community Television. 5. Add new control panels for Mayor, City Clerk, executive conference room, Joliet Community Television. 6. Add soft panel for IT. 7. Add remote capability for IT staff troubleshooting. 8. City of Joliet MUST retain all programming to make changes in the future. 9. Remove the two existing speakers and add 3 new speakers.

- Control Room

AUDIO/VIDEO UPGRADE: Design build: Install, integrate, commission, train on listed Owner Furnished Equipment (OFE) and new purchased equipment as listed herewith in. 1. Add new Video 8 Input Switcher with control surface – Tricaster, pull and terminate any audio cabling needed. 2. Add new Video Router - Smart Videohub 12G 40x40, pull and terminate any audio cabling needed. 3. Add 5 new Panasonic Robotic Video Cameras with Controller (NDI License), pull, and terminate any audio cabling needed. 4. Add new 4K monitoring for 2 Multiviews for Tricaster, pull and terminate any audio cabling needed. 5. Add new Streaming hardware for YouTube/Facebook – (Blackmagic 4K Webprenters or AJA Helo Plus), pull and terminate any audio cabling needed. 6. Replace all HD Rackmount Monitoring with Blackmagic SmartView 4K, pull and terminate any audio cabling needed. 7. Add New 4K Recorders to replace HD.

- City Council Chambers

Electronic Voting System: Design build: Install, integrate, commission, train on listed new purchased equipment as listed herewith in. AVDG will put the hardware infrastructure in place to support the voting system (IO, Touch monitors) but will not be providing the voting system or labor to install the voting system.

- User Experience: AVDG has built a system to exceed all of the customers' requirements. This system will allow for the switching of any input anywhere to be sent to any Destination throughout the facility via Av OVER ip AND USING THE DANTE OFFRAMP TECHNOLOGY.



scope of work

Division of Labor

AVDG may use, without prior notice, labor resources from our trusted network of sub-contractors; when applicable, AVDG also partners with qualified union electrical contractors for onsite AV and LV wire work.

Site installation work for this project is **Union**.

- Off-Site
 - AVDG
 - System engineering/design, CAD, programming, rack/preassembly, FFT (full functionality testing) & project management related to the AV system(s).
 - Deliveries
- Site
 - AVDG
 - Field Engineering & Project Management
 - AV (low voltage) wire installation
 - AV (low voltage) wire termination
 - AV (low voltage) wire verification and testing
 - AV equipment installation
 - AV system commissioning, testing, tuning, & training
 - Others (GC, EC, Client. - not included in this AVDG proposal)
 - High-voltage power
 - Conduit (if applicable)
 - Data wire (associated with client network) installation
 - Data wire (associated with the client network) verification and testing

*Unless otherwise noted, this proposal is based on site labor between the hours of 7am – 5pm Monday through Friday (excluding all state recognized holidays). A set number of site deployments has been used to calculate overall labor and deliveries. Any changes to the project schedule may result in additional charges. No work outside this SOW will proceed without written authorization by the client or responsible billing party.

*AVDG follows all local, state, and federal laws pertaining to OSHA, PPE, background checks, and Covid19 related precautions. Any site closures due to pandemic, weather, or other related precautions may result in additional charges.

Material Division

- AVDG



scope of work

- AV Equipment & Materials
 - Displays, mounts, speakers, racks, etc. as noted in the Bill of Materials section of this proposal
- Mounting hardware
 - Bolts, screws, etc. required for mounting displays, racks, etc.
- AV (low voltage) wire
 - Refer to wire schedule on AVDG furnished CD (construction drawings) drawings for make/model of AV (low voltage) wire required
 - substitutions require written approval from AVDG
- Data (associated with the AV systems) wire
 - Refer to wire schedule on AVDG furnished CD (construction drawings) drawings for make/model of AV (low voltage) wire required
 - substitutions require written approval from AVDG
- Others (GC, EC, Client - not included in this AVDG proposal)
 - AC (high voltage) Power (120v and up)
 - Conduit and Raceway (if required by local code)
 - Thermal management of spaces (if required)
 - Data cable for client network

Site Conditions

The equipment rack and associated equipment (displays, touch panels, electronics, etc.) will be configured and fully tested at an AVDG facility. These items will be delivered to site **ONLY** after the rack room and other equipment locations are dust free and no longer under construction. In the event that AVDG is directed to install equipment in an active construction environment, written instruction is required including the acceptance that equipment warranties may be voided. Typically, speaker mounts/brackets, display mounts, AV backboxes, and wiring will be installed in a pre-wire phase based on supporting substructure completion.

*Devices may need to be wrapped in plastic to protect from debris and paint; this work will be considered additional if required and is not included as part of this proposal.

Networking

- Others will provide, configure, and test all networking equipment that is required for all AV equipment that require network connection.
 - If connection to the client's networking system is required:



scope of work

- Standard data traffic:
 - 1g copper connection from AVDG furnished switches to client switch (s)
- AV over IP traffic (high bandwidth)
 - 10g fiber connection (s) from the AVDG furnished switches to client switch (s)
- Dante and AV over IP traffic is only certified to work on specific network switches. In the event that the client cannot provide an approved switch, AVDG accepts no responsibility for audio and video instability.
- AVDG Engineers will provide network requirements for AV equipment that is connected directly to others and will coordinated with others to convey networking requirements for proper systems operation. This includes the number of ports required, number of POE and POE+ ports, etc.
- AVDG will require a list of IP addresses (or ranges) and any VLAN requirements from others to load into the various AV equipment prior to installation on site.

Control system schedule - if applicable

Custom control system programming may be included in this proposal; AVDG follows 3 distinct phases with written client approval required at the completion of each phase.

- Phase 1 - Device list, user experience, and performance expectations
 - Control interfaces per space
 - Devices to be controlled in each space
 - User experience/system functionality
 - Changes/updates can be made in this phase before written approval 'locks' for the next phase
- Phase 2 - GUI approval
 - AVDG standard interface (custom available - additional charges may apply)
 - Incorporating your company logo is standard (jpeg, tif, bmp required)
 - Samples of user pages - graphics only
 - Up to 3 revision Changes/updates can be made in this phase before written approval 'locks' for the next phase
- Phase 3 - Site verification
 - Walk through usage with client in each space
 - No major changes are part of the contract at this stage

*Depending on the brand of control equipment, customization may be limited or not



scope of work

available

Project Schedule

The following is an example of a typical project schedule (normal business hours):

- Week 0: Receipt of Client authorization to proceed (via purchase order and approval of terms/payment schedule)
- Week 2-3: Phase I BOM scrub & Equipment Order
- Week 2-3: Phase II AVDG Kick-Off Meeting, Engineering/CAD, Shop Programming & PM review
- Week 3-5: Phase III (a) Infrastructure drawings and device/wire schedules delivered. (including any junction boxes furnished by AVDG)
- Week 6-8: Phase III (b) Infrastructure wiring (if applicable), Shop Prep/Build
- Week 8-12: Phase IV Field installation, Shop QC & Verifications
- Week 9-12: Phase V Systems Commissioning/Testing
- Week 9-12 Phase VI Final Acceptance/Sign-Off & Client Training

We will work with you to finalize a schedule that meets the implementation requirements of the project.

AVDG is not responsible for delays caused by other trades, States of Emergency, or enhanced safety requirements. Additional labor charges may apply due to these conditions.

Documentation

- Cut Sheets (if required and specifically called out in the SOW above) will be delivered for major components in digital format.
- Drawing package phases
 - Phase 1: Infrastructure and Equipment (I&E)
 - Junction box locations, wire, conduit (if applicable), and AVP (AC power for AV equipment) schedules; mounting details
 - Phase 2: Rack elevations/wire schedule, AV device locations and schedules, and functionals; mounting details
 - Phase 3: As-Built drawing package (digital PDF delivery)
 - Includes all site-verified information for phases 1 & 2; including manuals when required
 - Archive copies of programming and custom configurations if available.

Project sign-off and completion – if applicable

AVDG will walk the client, or responsible party, through each room of the system; equipment furnished and installed will be referenced via the AVDG room delivery form and checked off. A brief overview of system function will be performed (separate from



scope of work

training and commissioning) for verification. Client or responsible party with sign the room delivery form, as will the AVDG representative. A copy of the form will be given to the client and will be stored in the client accessible project folder online.

Equipment substitutions due to supply chain and/or manufacturer delays

AVDG reserves the right, without customer approval, to substitute alternate equipment that does not change system functionality or customer experience. Any equipment changes that AVDG identifies may be presented as a zero-dollar change order. In the event that material of equal functionality or price cannot be sourced, the customer will be presented with options to either wait for original equipment, change order to equipment that may be higher cost than the originally specified, or modifying the user experience (change order for reduced scope or BOM as appropriate).

E-Waste Disposal

AVDG will dispose of owner e-waste as a paid service, even if not specifically noted as a line item. A sample of costs are below:

- 35"-65" display = \$50 per unit
- 65-85 display = \$75 per unit
- 85" and up display (including projectors) = \$250 per unit
- Misc electronics up to 25lbs = \$50 per unit

Assumptions and Exclusions

- It is the responsibility of others (client, GC, etc.) for making sure the mounting surfaces are properly constructed to withstand the weight of the mounted equipment with a safety factor of at least 5:1. Any substitutions for this must be approved by AVDG prior to installation. AVDG has the right to refuse to mount any equipment to anything other than approved structures. All charges for required return trips by AVDG due to the lack of proper structure is the responsibility of Client. If finishes need to be modified, (i.e., fire treatment, paint, or other) the Client or GC is responsible for all repairs post installation.
- All above ceiling hardpoints are the responsibility of the client. If finishes need to be modified, i.e., fire treatment paint or other; Client is responsible for all repairs post installation. AVDG has the right to refuse to mount devices to anything other than an approved hardpoints. All charges for required return trips by AVDG due to the lack of proper structure are the responsibility of client.
- Engineered (P.E.) seals and/or stamped structural/system details are not included unless specifically noted in the scope of work.
- Cutting, structural welding, or reinforcement of structural steel members required for support of assemblies, if required
- High voltage power (120v and up), conduit, junction boxes, raceways, and other pre-construction materials to be provided by others.



scope of work

- Low voltage (audio, video and control signal) containment, conduit, junction boxes, raceways and other pre-construction materials to be provided by others
- Sleeves, cores, and fire-stopping are by others if required.
- Concrete saw cutting and/or core drilling is by others, if required.
- Sheet rock replacement, ceiling tile, T-bar replacement and/or wall/ceiling repair is by others, if required
- Any and all millwork (moldings, trim, etc.) or modifications to project millwork/furniture to accommodate the AV equipment is by others.
- Painting, patching or finishing of architectural surfaces is by others.
- HVAC and plumbing relocation is by others.
- Rough-in, bracing, framing or finish trim carpentry is by others.
- Any modifications made to openings, coves, soffits, etc after they have been measured by AVDG may require the reordering of any custom materials or equipment that was custom fabricated to fit said spaces. Any changes requires will result in additional charges.
- Digging, tunneling, removing and replacement of pavers/planters, etc is by others unless specifically noted in the Scope of Work.
- Removal, moving, modification, etc of furniture is by others unless specifically noted in the Scope of Work.
- Provision, configuration, and testing/verification of all networking equipment that connects to AVDG furnished equipment the responsibility of other unless specifically noted in the Scope of Work.
- Proper heat dissipation and venting for the equipment in this system is required. Where convection cooling is not possible, a powered venting system, with thermostatically controlled quiet fans, is recommended. Modification to any millwork, walls, ceilings, or climate control systems to provide adequate airflow and cooling is the responsibility of the Client. The client may refuse to install cooling and/or ventilation that is suggested by AVDG; a written waiver of this advice will be documented and the client assumes the risk that doing so may void all manufacture and AVDG warranties.
- AVDG is not responsible for delays caused by other trades, States of Emergency, or enhanced safety requirements. Additional labor charges may apply due to these conditions.
- All equipment returns are subject to a minimum 15% restocking fee and must be in the original, un-opened box. If the equipment has been opened, AVDG reserves the right to not accept the return.
- All custom programming (e.g. remote control system programs) will become property of the end user pending system signoff and final payment, copies of all programming shall be archived by AVDG for future service and upgrades. Programming may not modified or reused outside of the location it was developed for.
- Building power to be within tolerances by AVDG and equipment manufacturers, power in that damages equipment during the life of the system will be considered



scope of work

out of warranty unless covered in SLA contract.

- Owner furnished equipment, or equipment furnished by others, that is integrated into the systems is assumed to be current, industry acceptable and in good working order. If it is determined that this equipment is faulty upon installation, additional project charges may be incurred.

BILLING MILESTONES

- 35% due upon acceptance/execution of proposal
- 40% due when equipment is ordered
- 15% due when on-site installation begins
- 10% due upon substantial completion

We look forward to the opportunity to working with you,

Tyson Howard

Account Manager

tyson.howard@avdg.com



bill of materials

lighting

manufacturer	description	qty	unit price	ext. price
lighting SUBTOTAL:				\$12,140.48

control room

manufacturer	description	qty	unit price	ext. price
CONVCMIC/HS0 3G/WPSU	Micro Converter HDMI to SDI 3G (with Power Supply)	4.00	\$72.22	\$288.88
AJA	H.264 Advanced Streamer & Recorder with 3G-SDI and HDMI	1.00	\$2,076.67	\$2,076.67
Panasonic	Panasonic 4K60 SDI/HDMI/NDI PTZ Camera with 24x Optical Zoom - White	5.00	\$5,450.00	\$27,250.00
Tricaster	*Required* 10 Hour Professional Services Plan	1.00	\$2,522.47	\$2,522.47
Tricaster	Series 2-Stripe Control Panel for TriCaster TC1	1.00	\$11,661.11	\$11,661.11
Newtek	*Required* ProTek Ultra for TriCaster 2 Elite	1.00	\$3,888.20	\$3,888.20
Tricaster	TriCaster 2 Elite 3RU (Chassis w/ redundant power)	1.00	\$32,353.93	\$32,353.93
BlackMagic Design	HyperDeck Studio HD Pro	2.00	\$1,105.56	\$2,211.12
Blackmagic Design	SmartView 4K 2 15.6" DCI 4K Broadcast Monitor (6 RU)	2.00	\$1,265.00	\$2,530.00
Blackmagic Design	Videohub 12G 2RU 40x40 Zero Latency Video Router for SD / HD and Ultra HD	1.00	\$3,995.00	\$3,995.00
LG	27" 3840 x 2160 IPS Panel LCD Small Format Monitor	2.00	\$540.96	\$1,081.92
Netgear	52 PoE+ Port Gigabit Stackable Smart Switch - 48 Ports - Manageable	2.00	\$1,977.10	\$3,954.20
QSC	8-Channel 1000W/CH Q-SYS Network Amplifier, Lo-Z, 70V, 100V direct drive, FlexAmp, with Mic/line Inp	1.00	\$5,234.94	\$5,234.94



bill of materials

VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	8.00	\$1,209.46	\$9,675.68
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	9.00	\$1,209.46	\$10,885.14
Visionary Solutions	Rackmount Kit for up to 3 PacketAV Duet Encoder / Decoder & E4100 / D4100	1.00	\$48.19	\$48.19

control room SUBTOTAL: \$119,657.45

conference room control

manufacturer	description	qty	unit price	ext. price
Crestron	4-Series Control System	1.00	\$1,358.02	\$1,358.02

conference room control SUBTOTAL: \$1,358.02

conference room audio

manufacturer	description	qty	unit price	ext. price
Crestron	USB 3.2 Extender over CAT 6a/7 Cable, Local and Remote[Just Released]	1.00	\$2,378.05	\$2,378.05
QSC	Q-SYS Core 110 Scripting Engine Software License, Perpetual.	1.00	\$334.94	\$334.94
QSC	Q-SYS Software-based Dante 32x32 Channel License, Perpetual.	1.00	\$665.06	\$665.06
QSC	Unified Core with 24 local audio I/O channels, 128x128 total network I/O channels with 8x8 Software-	1.00	\$3,012.05	\$3,012.05

conference room audio SUBTOTAL: \$6,390.10



bill of materials

conference touchpanel

manufacturer	description	qty	unit price	ext. price
Crestron	10.1 in. Wall Mount Touch Screen, Black Smooth	1.00	\$2,065.85	\$2,065.85

conference touchpanel SUBTOTAL: \$2,065.85

council chambers control

manufacturer	description	qty	unit price	ext. price
Crestron	10.1 in. Wall Mount Touch Screen, Black Smooth	2.00	\$2,065.85	\$4,131.70
Crestron	10.1 in. Tabletop Touch Screen, Crestron Home OS Version, Black	3.00	\$1,542.68	\$4,628.04
Crestron	4-Series Control System	1.00	\$1,341.46	\$1,341.46

council chambers control
SUBTOTAL: \$10,101.20



bill of materials

council chambers audio

manufacturer	description	qty	unit price	ext. price
QSC	Q-SYS peripheral providing 4 mic/line inputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over	2.00	\$526.51	\$1,053.02
QSC	Q-SYS Core 110 Scripting Engine Software License, Perpetual.	1.00	\$334.94	\$334.94
QSC	Q-SYS Software-based Dante 32x32 Channel License, Perpetual.	1.00	\$665.06	\$665.06
QSC	Unified Core with 24 local audio I/O channels, 128x128 total network I/O channels with 8x8 Software-	1.00	\$3,012.05	\$3,012.05
Shure	Cardioid-18" Desktop Gooseneck Condenser Microphone, Attached 10 XLR Cable, Logic Functions, Program	17.00	\$287.95	\$4,895.15
Shure	Ceiling Array Microphone, Square, White, 24 inch	4.00	\$3,796.39	\$15,185.56

council chambers audio SUBTOTAL: \$25,145.78

conference microphone

manufacturer	description	qty	unit price	ext. price
Shure	Ceiling Array Microphone, Square, White, 24 inch	1.00	\$3,796.39	\$3,796.39

conference microphone SUBTOTAL: \$3,796.39

conference speakers

manufacturer	description	qty	unit price	ext. price
Sonance	PS-C63RT WHITE	3.00	\$313.25	\$939.75

conference speakers SUBTOTAL: \$939.75



bill of materials

council chambers touch-displays				
manufacturer	description	qty	unit price	ext. price
Viewsonic	24" Touch Display and Smart Display Extended Warranty for 4th Year With Express E	13.00	\$68.67	\$892.71
council chambers touch-displays SUBTOTAL:				\$892.71

conference byod				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46
VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46
Yealink	Microsoft Teams Rooms System featuring Dual UVC84 Cameras for Extra-large rooms	1.00	\$7,108.43	\$7,108.43
conference byod SUBTOTAL:				\$9,527.35

conference wall plate				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder (Wall Plate), 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless	1.00	\$1,726.67	\$1,726.67
conference wall plate SUBTOTAL:				\$1,726.67



bill of materials

conference projector

manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46

conference projector SUBTOTAL: \$1,209.46

conference table-2

manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	2.00	\$1,209.46	\$2,418.92

conference table-2 SUBTOTAL: \$2,418.92

conference pc

manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46

conference pc SUBTOTAL: \$1,209.46

conference table-1

manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	2.00	\$1,209.46	\$2,418.92

conference table-1 SUBTOTAL: \$2,418.92



bill of materials

council chambers-codec				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46
VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	1.00	\$1,209.46	\$1,209.46
council chambers-codec SUBTOTAL:				\$2,418.92

council chambers touchscreen monitors				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	14.00	\$1,209.46	\$16,932.44
VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	13.00	\$1,209.46	\$15,722.98
council chambers touchscreen monitors SUBTOTAL:				\$32,655.42

council chambers displays				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Decoder, 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless switch matrix	7.00	\$1,193.33	\$8,353.31
council chambers displays SUBTOTAL:				\$8,353.31

bill of materials



council chambers remote sources				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder (Wall Plate), 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless	10.00	\$1,726.67	\$17,266.70
council chambers remote sources SUBTOTAL:				\$17,266.70

council chambers-floor box's				
manufacturer	description	qty	unit price	ext. price
VISIONARY SOLUTIONS	AV Encoder (Wall Plate), 4K60 4:4:4 UHD over IP cinema quality ultra-low latency visually lossless	7.00	\$1,726.67	\$12,086.69
council chambers-floor box's SUBTOTAL:				\$12,086.69



bill of materials

other items				
manufacturer	description	qty	unit price	ext. price
AVDG	Subcontractor Labor	1.00	\$41,003.47	\$41,003.47
AVDG	Rack Build	20.00	\$60.24	\$1,204.80
AVDG	Programming	60.00	\$90.36	\$5,421.60
AVDG	Commercial Install	85.00	\$77.11	\$6,554.35
AVDG	CAD	80.00	\$73.49	\$5,879.20
AVDG	Field Engineering	50.00	\$90.36	\$4,518.00
AVDG	Design Engineering	40.00	\$101.20	\$4,048.00
AVDG	Project Management	40.00	\$81.93	\$3,277.20
Belden	6500PE Plenum 22 AWG Commercial Audio Systems Multi-Conductor Cable	3.00	\$96.08	\$288.24
Belden	CAT6A SHLD.BONDED CMP, WHT-1000 FT.	8.00	\$1,506.02	\$12,048.16
Blackmagic Design	Micro Converter SDI to HDMI 12G with PSU	8.00	\$159.00	\$1,272.00
Panasonic	Compact 3.5" LCD PTZ Controller POE	1.00	\$4,132.00	\$4,132.00
AVDG	Misc Consumables	1.00	\$4,576.24	\$4,576.24
AVDG	90 Day Workmanship Warranty	1.00	\$0.00	\$0.00
other items SUBTOTAL:				\$94,223.26

project summary



quote title:
2023 City Council Chambers AV System
Upgrade-v3

quote issued / valid through
Oct 31, 2023 / Nov 30, 2023

prepared for:
The City of Joliet
Melissa Lopez
mlopez@joliet.gov

prepared by:
Tyson Howard
tyson.howard@avdg.com
avdg.com

job site:
The City of Joliet
150 W. Jefferson
Joliet, IL60432

system total:
\$379,443.41

quote #:
70737

subtotal	\$368,002.81
tax	\$0.00
shipping	\$11,440.60
system total	\$379,443.41



THESE STANDARD TERMS AND CONDITIONS (the "Terms") apply to the "Customer" and AVDG, LLC ("AVDG"), relating to AVDG's design and engineering service, delivery and installation of materials and servicing of installed materials (the "Work"). The Work is described in the attached proposal and/or work order, into which these Terms are incorporated by reference (the "Work Description"). By accepting the proposal or work order or issuing a purchase order relating to a proposal or work order, Customer agrees to these Terms.

1. **Contract Price** | Customer agrees to pay the total price described in the Work Description (the "Contract Price"). The Contract Price is valid so long as a purchase order is issued and returned to AVDG within five business days from the date of the Work Description or the time specified in the Work Description, whichever date is later, after which time it is subject to change. Equipment and labor will be itemized separately in the Work Description and invoices. Customer will be responsible for a 15% restocking fee for any equipment exchanged or returned, provided that items that are not returnable to the manufacturer are not eligible for cancellation, exchange or return. Customer also shall be responsible for the payment of all applicable taxes, customs, duties and governmental charges relating to the Work.

Cost associated with work stoppages/starts, or material pricing escalation, or supply interruptions due to the COVID-19 pandemic are unknown at this time and have NOT been included.

1. **Scope of Work**

- i. *Standard Work.* AVDG will provide the equipment and labor required to complete the Work. The Customer obtains title to equipment at the earlier of (1) when assembly and/or customization begins at AVDG (if any), (2) delivery to the Customer or (3) payment by AVDG to a provider for a custom order. The Work does not include additional work outside the scope of audiovisual installation, such as painting, carpentry or moving furniture. AVDG will not be responsible for damaged personal property that is not removed prior to services being performed. AVDG will dispose of all boxes and packaging related to the equipment described in the Work Description.
- i. *Programming Services.* The Work may include custom programming. Programming quoted as part of the Work Description assumes completion during business hours (Monday through Friday, 9:00am to 5:00pm). Programming requests outside of those hours that are not specified in the Work Description must be completed pursuant to a change order. All additional programming is subject to availability and AVDG is not required to provide any additional programming other than as described in the Work Description.
- i. *Change Orders.* Customer may request change orders, subject to the change order procedure described in this section. AVDG will review change order requests and determine, in its sole discretion, whether the change order can be completed and the price associated with the change order. AVDG will respond to Customer as to whether or not the change order request is acceptable and any additional terms, charges and/or changes in project timelines that will result from the change order request. Customer must accept the change order proposal in order to allow the change order process to continue.

1. **Payment Terms** | Unless otherwise stated in the Work Description, AVDG's standard terms are 35% due with purchase order or signed proposal, 40% due when equipment is ordered, 15% due at the beginning of onsite installation and the remainder of the balance due upon completion of the Work.



terms and conditions

1. **Late Payments** | If payments are not paid when due, (a) AVDG reserves the right to impose a monthly late payment charge on the late balance equivalent to one and one-half percent (1.5%) per month, or the highest rate allowed by law, whichever is less; (b) AVDG reserves the right, upon five days written notice to Customer, discontinue or turn off services being provided to the Customer, including without limitation, television, internet and telephone service; and (c) Customer will be liable for all fees and expenses incurred by AVDG in collecting amounts due under These Terms. These remedies are not intended to be AVDG's sole remedies and in no way precludes AVDG's use of additional available remedies.

1. **Term and Termination** | These Terms shall commence as of the Work Description and shall continue until the completion of the Work. If the Work is terminated for any reason prior to completion, in addition to any payments already received, AVDG shall be entitled to payment for performance completed through the date of termination, which includes delivered equipment, modified or nonreturnable equipment not delivered and labor performed.

1. **Warranty; Limitation of Liability** | AVDG warrants that audiovisual systems furnished will be free from defects in workmanship or failure for a period of 90 days from the earlier to occur of acceptance or first beneficial use. Warranty service for such defects will be handled in a reasonable and timely manner. Equipment and individual components are covered by manufacturer warranties and AVDG warrants the equipment and components furnished and installed for the term established by the manufacturer. Labor to remove equipment and re-install it after the repair is not covered. Warranty repair equipment should be delivered to AVDG Attention: Service Department. The warranty does not apply to (a) any product that has been subject to misuse, neglect, accidental or operational error, (b) labor for shades telescoping or (c) materials provided by Customer or any other materials not provided by AVDG pursuant to the Work Description.

EXCEPT AS EXPRESSLY STATED IN THIS SECTION, AVDG PROVIDES ALL MATERIALS AND SERVICES HEREUNDER ON AN "AS IS" BASIS AND AVDG DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. THE MAXIMUM LIABILITY OF AVDG TO THE CUSTOMER ARISING OUT OF THE PROPOSAL OR CONTRACT RELATING TO THESE TERMS SHALL BE THE AMOUNT OF THE CONTRACT PRICE. UNDER NO CIRCUMSTANCES SHALL AVDG BE LIABLE TO THE CUSTOMER FOR ANY INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL, INCIDENTAL OR EXEMPLARY DAMAGES OF ANY KIND. WITHOUT LIMITING THE FOREGOING, AVDG SHALL NOT BE LIABLE FOR ANY DAMAGE TO PERSON OR PROPERTY RESULTING FROM GOODS AND/OR SERVICES PROVIDED HEREUNDER EXCEPT TO THE EXTENT CAUSED SOLELY AND DIRECTLY FROM AVDG'S GROSS NEGLIGENCE OR WILLFUL MISCONDUCT.

1. General Terms

- i. *Independent Contractors.* Each of the parties is an independent contractor and shall not be considered to be an agent, distributor or representative of the other. Neither party shall act or represent itself, directly or by implication, as an agent of the other or in any manner assume or create any obligation on behalf of, or in the name of, the other.

- i. *Assignment.* These Terms shall inure to the benefit of, and shall be binding upon, the parties and their respective heirs, permitted successors and permitted assigns. The Customer may not assign the proposal or contract relating to these Terms without the prior written consent of AVDG.

- i. *Force Majeure.* AVDG shall not be liable for any delays or other non-performance resulting from fire or other casualty, act of God, war, terrorism or other violence.



terms and conditions

- i. *Governing Law; Venue.* These Terms shall be construed in accordance with the laws of the State of California, excluding its conflict of law provisions. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in California for the adjudication of any dispute hereunder or in connection herewith, and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper.

- i. *Severability.* If any provision of these Terms are found to be invalid or unenforceable to any extent, then the invalid portion shall be deemed conformed to the minimum requirements of law to the extent possible. In addition, all other provisions of these Terms shall not be affected and shall continue to be valid and enforceable to the fullest extent permitted by law.

- i. *Waiver.* No waiver of any provision of these Terms shall be valid unless in writing signed by the party to be charged. No waiver with respect to any provision on one occasion shall be deemed a waiver of such provision on any other occasion.

- i. *Amendment.* Any modification or amendment of these Terms or related document must be in writing and signed by both parties.

Entire Agreement; Interpretation. These Terms and any other document that it references as being incorporated by reference sets forth the entire agreement and understanding between the parties with respect to the subject matter hereof, and supersedes any other agreements, discussions, proposals, representations or warranties, whether written or oral between the parties with respect to the subject matter hereof. These terms supersede any language contained in Customer Purchase Orders or other documents, and such language shall be void.



terms and conditions - clarifications

CLARIFICATIONS

All Clarifications are valid unless stated otherwise in the scope of work.

1. Structural and Attachment

- i. It is the responsibility of others (client, GC, etc.) for making sure the mounting surfaces are properly constructed to withstand the weight of the mounted equipment with a safety factor of at least 5:1. Any substitutions for this must be approved by AVDG prior to installation. AVDG has the right to refuse to mount any equipment to anything other than approved structures. All charges for required return trips by AVDG due to the lack of proper structure is the responsibility of Client. If finishes need to be modified, (i.e., fire treatment, paint, or other) the Client or GC is responsible for all repairs post installation.
- ii. All above ceiling hardpoints are the responsibility of the client. If finishes need to be modified, i.e., fire treatment paint or other; Client is responsible for all repairs post installation. AVDG has the right to refuse to mount devices to anything other than an approved hardpoints. All charges for required return trips by AVDG due to the lack of proper structure are the responsibility of client.
- iii. Engineered (P.E.) seals and/or stamped structural/system details are not included unless specifically noted in the scope of work.
- iv. Cutting, structural welding, or reinforcement of structural steel members required for support of assemblies, if required are not included unless specifically noted in the scope of work.

2. Electrical

- i. High voltage power (120v and up), conduit, junction boxes, raceways, and other pre-construction materials to be provided by others.
- ii. Low voltage (audio, video, and control signal) containment, conduit, junction boxes, raceways, and other preconstruction materials to be provided by others.

3. General Construction

- i. Sleeves, cores, and fire-stopping are by others if required.
- ii. Concrete saw cutting and/or core drilling is by others, if required.
- iii. Sheet rock replacement, ceiling tile, T-bar replacement and/or wall/ceiling repair is by others, if required
- iv. All millwork (moldings, trim, etc.) or modifications to project millwork/furniture to accommodate the AV equipment is by others.
- v. Painting, patching, or finishing of architectural surfaces is by others.
- vi. HVAC and plumbing relocation shall be by others.
- vii. Rough-in, bracing, framing or finish trim carpentry is by others.
- viii. Any modifications made to openings, coves, soffits, etc. after they have been measured by AVDG may require the reordering of any custom materials or equipment that was custom fabricated to fit said spaces. Any changes required will result in additional charges.
- ix. 120v (20amp) power for tools and temporary lighting shall be provided within 50' of the areas of work unless specifically noted in the Scope of Work.
- x. Digging, tunneling, removing and replacement of pavers/planters, etc. is by others unless specifically noted in the Scope of Work.
- xi. Removal, moving, modification, etc. of furniture is by others unless specifically noted in the Scope of Work.

4. Networking

- i. Provision, configuration, and testing/verification of all networking equipment that connects to AVDG furnished equipment the responsibility of other unless specifically noted in the Scope of Work.
- ii. AVDG will provide network requirements for AV equipment that is connected directly to Owner's network and will meet with Owner's or Owner's IT department to convey networking requirements for proper systems operation unless called out in the Scope of Work.



terms and conditions - clarifications

- iii. AVDG will provide equipment MAC addresses to Owner for IP address assignment and DHCP reservations.
- iv. The client's network must be operational prior to commissioning/service of AV systems. If it is determined that, due to delays in delivery of the client network, additional labor is required to adequately deliver the scope of work as detailed a summary of any anticipated cost implications for client approval prior to commencement of additional services will be provided.

5. Acoustical

- i. The room should have a measured ambient noise level of no more than NC35. For new spaces, the design parameters for the mechanical engineering within the room should have a target NC of 35 or less. Ambient noise includes noise from the air handling systems, mechanical systems, and noises outside the building. Noise levels above this specification adversely affects the meeting environment and may degrade the overall audio quality and intelligibility of a conference call. This is especially important when ceiling microphones are utilized. If a problem is identified with ambient noise levels, AVDG can work with your mechanical engineer to identify possible solutions to lower the NC rating and improve the audio experience.
- ii. Reverberation Time (RT60) typically should be less than 0.4 seconds in the 125Hz - 10kHz octave bands to provide an optimum meeting experience and acceptable audio quality in a conference call. A significant number of hard surfaces in a room (glass, drywall, or other surfaces) can adversely affect audio intelligibility and the meeting experience overall. Acoustic treatment is advised for rooms with higher RT60 levels. If the room requires acoustic treatment, AVDG can provide solutions to overcome this issue and enhance the audio experience for the participants.
- iii. If acoustical remediation is recommended but not implemented, AVDG will document the potential performance ramifications in writing. The customer should understand that the system performance may be significantly decreased.
- iv. STI (Speech Transmission Index) and STIPA (Speech Transmission Index for Public Address) not applicable to this project unless specifically noted in the scope of work.

6. Lighting

- i. Room lighting shall be at least 40-foot candles and evenly diffused throughout the camera's field of view to eliminate hot spots on participants and walls. Evenly distributed lighting is important for videoconferencing applications. Where the camera's field of view includes windows, recommended window treatment should be employed to provide an acceptable background for the camera to view the participants.
- ii. For best image quality, backgrounds should be neutral, solid colors. When graphics are utilized behind participants fine line and patterns should be avoided.
- iii. If light pollution remediation is recommended but not implemented, AVDG will document the potential performance ramifications in writing. The customer should understand that the system performance may be significantly decreased.

7. Software

- i. All software licenses required for normal end user operation become property of the client at the successful completion of the project. It is the responsibility of the client to register and maintain any licenses unless specifically called out in the Scope of Work. Examples include, but are not limited to, operating systems, apps, etc.
- ii. All custom programming (e.g., remote control system programs) will become property of the end user pending system signoff and final payment, copies of all programming shall be archived for a period by AVDG for future service and upgrades.
- iii. In some cases, a password can be provided to an end user or end user team; this would be specifically called out in the Scope of Work. The end user/client assumes all responsibility for maintaining the password as well as communicating to AVDG any password and programming changes.
- iv. If the password is lost and is the original one created by AVDG, AVDG will provide that password at no charge pending verification of the request. In some cases, if the password is lost and has been changed without notifying AVDG; a complete system reset may be required resulting in the need to reload and older file or completely rebuild the program from scratch. AVDG can provide a quote for the cost associated with this.

8. Training and System Demonstration

- i. AVDG shall provide one basic system orientation to the end users (maximum 6 people in a single group) upon project's completion and commissioning unless specifically called out in the Scope of Work. Additional trainings are available and shall be quoted as additional.
- ii. Recording of training is not included unless specifically called out in the Scope of Work; recording is available as an additional service.



terms and conditions - clarifications

9. Owner Furnished Equipment (OFE)

- i. Scheduling of an ISP and/or Telco providers is the responsibility of the client unless specifically called out in the Scope of Work. AVDG will make themselves available during the scheduled times; any delays caused by 3rd parties may result in additional charges.
- ii. Owner furnished equipment, or equipment furnished by others, that is integrated into the systems is assumed to be current, industry acceptable and in good working order. If it is determined that this equipment is faulty upon installation, additional project charges may be incurred.
- iii. The creation, scheduling and/or subscriptions of custom content is the responsibility of the client. AVDG can provide as a service the creation, scheduling and/or subscriptions of content and is available to discuss as necessary.

10. Insurance, Permits and Licensing

- i. Certificate of Insurance shall be provided, as requested, prior to initiation of work.
- ii. The client shall obtain, at its expense and keep effective, all permissions, licenses, and permits whenever required in connection with the installation and/or use of the products and the premises where the products shall be situated
- iii. Low voltage permit fees and related labor charges are not included and shall be added upon client's approval, as applicable.

11. Logistics

- i. During the project's commencement, free parking shall be allowed to AVDG's vehicles as close as possible to the actual jobsite. Loading dock shall be available to AVDG's vehicles for the materials and equipment deliveries that shall be scheduled in advance. AVDG understands that the delivery dock may not be available all day and that specific delivery times may need to be coordinated.
- ii. If free parking is not available, the client will be billed for parking expenses; these expenses will be billed at a fixed 10% markup to accommodate administration expenses.
- iii. Any additional trips, labor, or materials due to failure of the other work forces to have the audiovisual system rough-in work completed as anticipated and previously confirmed, will be added to the project billing as required.
- iv. Ground shipping has been assumed for all materials. Expedited shipping may be available and can be quoted as additional.
- v. A specific number of site deliveries has been determined as part of this proposal; any additional trips required due to site conditions, other trades, or other forces outside of AVDG's control will be billed as additional. See Scope of Work for details.

12. Equipment Returns

- i. All equipment returns are subject to a minimum 15% restocking fee and must be in the original, un-opened box. If the equipment has been opened, AVDG reserves the right to not accept the return.
- ii. Any equipment returns must be executed within 60 calendar days of delivery to site.
- iii. Custom ordered parts are not able to be returned.

13. General

- i. Once the equipment is delivered to the jobsite, a signature shall be required from the client, site foreman, etc. Securing the delivered equipment shall be client's or GC's responsibility unless otherwise noted in the Scope of Work.
- ii. Any products, services, and/or SOW modifications in addition to or different than what is described in this proposal will result in a cost impact and timeline impact to the offered pricing.
- iii. General Contractor and/or Client shall be responsible for all related infrastructure requirements throughout the entire project timeline.
- iv. If required, this proposal assumes that all AVDG project shop drawings, product data, product samples or other design submissions impacting the audiovisual deployment have been reviewed and approved prior to technicians arriving onsite. Audiovisual services provided shall be in accordance with approved submittals only.
- v. This proposal assumes that, if required, one hardcopy initial set and one revised hardcopy set of audiovisual drawings will be provided. If additional audiovisual drawing set issues are required to incorporate multiple design phase projects or to support the decision-making process, an estimate for these additional documentation services



terms and conditions - clarifications

- will be provided.
- vi. Specifications in this proposal are based on information received to date.
- vii. This quote is subject to revision if additional information becomes available, specification documents added, drawings change, or quote is past expiration.
- viii. Import Tariffs are subject to change dependent upon US Federal Law and Customs enforcement procedures established at the time products manufactured abroad enter the US. The client is responsible for any cost increases due to increase in import tariffs.
- ix. Any delay due to causes beyond AVDG's reasonable control and without AVDG's fault or negligence shall extend delivery and installation dates to the extent caused thereby. AVDG will use reasonable efforts to timely notify the client in the event of any delay. The client shall reimburse AVDG its reasonable additional expenses resulting from any client-caused delays. When delivery of the products is delayed at the request of the client and the products have already been shipped by AVDG's vendor, AVDG will place the products in storage and invoice the client the price of such products, which will be promptly paid. AVDG shall not be liable, and the client shall have no right to cancel or rescind this agreement, in the event of any delay due to causes beyond AVDG's reasonable control and without AVDG's fault or negligence, and the client shall accept such delayed performance by AVDG. The client's receipt of the products shall constitute a waiver of any claims for delay.
- x. If costs associated with products increase in a time beyond AVDG control (post contract award), if suitable replacement cannot be obtained, the associated differential in cost will be the responsibility of the client.

14. Coordination

- i. If unforeseen issues discovered during the construction process determine additional labor or equipment is required to adequately deliver the scope of work as detailed, a summary of additional cost implications shall be provided for approval prior to commencement of additional services.
- ii. AVDG will use its best efforts to deliver the products in accordance with the client requested delivery date, subject to receipt of all necessary information from the client and the client's compliance with AVDG's reasonable instructions for site readiness. AVDG shall not be liable for any delay caused by any circumstances beyond its control, including but not limited to government directives, priorities, regulations, requests, order, or requisitions, or by embargoes, natural disasters, pandemics, fires, strikes, work stoppage, accidents to machinery or equipment, delays of carriers or shortage of labor or materials or for any other cause whatsoever interfering with or impeding production or delivery of the products ordered.
- iii. AVDG shall reasonably coordinate and cooperate with other trades to facilitate satisfactory work progress. If AVDG's work in progress is impeded by other trades and/or contractors (excluding the AVDG's own subcontractors) or by scheduling delays due to the client, time delays in the final installation as well as additional charges, including labor, travel, and other reasonable expenses, may result.
- iv. This proposal assumes a limited number of coordination meetings; AVDG will notify the client, in writing, when the limit has been reached. Any additional meetings may require additional charges.

15. Site Work and Conditions

- i. AVDG reserves the right to pass along any price increases that may happen during a project. Any pricing increase will be communicated to the client before ordering for client approval; AVDG will supply (when possible) documentation from suppliers regarding the pricing increase. If the cost increase is not acceptable, the client will be able to cancel any equipment, material or labor that has not been allocated to the project or is in transit the jobsite and/or and AVDG warehouse.
- ii. Installation (e.g., field assembly, interconnection, equipment calibration and checkout) is to be performed by AVDG's trained technical employees. AVDG shall be entitled to employ subcontractors and/or agents to assist in or carry out, in whole or in part, the installation. In the event installation by AVDG employees is prevented by trade unions, the client shall arrange with the trade unions at its own expense to complete installation. AVDG is thereafter liable only for engineering supervision of installation.
- iii. The labor pricing in this AVDG proposal reflects normal business hours M - F, 8am - 5 pm local time. Should work be requested to take place outside of those hours, days and/or on holidays, AVDG can provide a quote.
- iv. The client shall be responsible for preparing, at its own expense, the installation site in accordance with AVDG's reasonable instructions, including the requirements specified in this Scope of Work. In no event shall AVDG be responsible for any high voltage electrical work, ceiling modifications, structural modifications, or mechanical systems modifications unless otherwise agreed to in writing in this Scope of Work. The client shall provide AVDG with source code for any non-AVDG programmed remote control system(s) required to be modified under the terms of this proposal.
- v. The client shall provide AVDG with reasonable access to the installation site before delivery, for purposes of determining site readiness for installation, and shall designate an individual on the client's staff to serve as a contact person for all site preparation and installation issues. The client shall provide AVDG with free access to the installation site for the purpose of preparation for installation.
- vi. The client shall provide a clean worksite prior to the installation of any electronics. AVDG reserves the right to delay



terms and conditions - clarifications

installation if site conditions do not meet industry standards for dust and debris cleanliness; any delays that result in additional work or any damage to equipment that occurs due to site conditions will result in additional charges. If the client requires installation in areas that AVDG identifies as sub-standard; written consent will be received before installation begins; signing of this document voids all AVDG and manufacturer warranties.

- vii.** Proper heat dissipation and venting for the equipment in this system is required. Where convection cooling is not possible, a powered venting system, with thermostatically controlled quiet fans, is recommended. Modification to any millwork, walls, ceilings, or climate control systems to provide adequate airflow and cooling is the responsibility of the Client. The client may refuse to install cooling and/or ventilation that is suggested by AVDG; a written waiver of this advice will be documented, and the client assumes the risk that doing so may void all manufacture and AVDG warranties.
- viii.** AVDG is not responsible for delays caused by other trades, States of Emergency, or enhanced safety requirements. Additional labor charges may apply due to these conditions.
- ix.** Any background checks, drug testing, safety certifications, etc. required to work on site are only included if specifically mentioned in the Scope of Work. AVDG can accommodate these requirements after the proposal has been signed but this may affect the project schedule and pricing.

agreement



quote title:
2023 City Council Chambers AV System
Upgrade-v3

quote issued / valid through
Oct 31, 2023 / Nov 30, 2023

prepared for:
The City of Joliet
Melissa Lopez
mlopez@joliet.gov

prepared by:
Tyson Howard
tyson.howard@avdg.com
avdg.com

job site:
The City of Joliet
150 W. Jefferson
Joliet, IL60432

system total:
\$379,443.41

quote #:
70737

by signing below, the signee acknowledges that they have read, and agree with, all clarifications located at www.avdg.com/clarifications

signature of acceptance:

print name & title:

date: