

Proposal To:
Town of Johnstown

For:
Council Chambers Full AV Upgrade

February 29, 2024

High Country Low Voltage LLC

COUNCIL ROOM

SCOPE

Scope of Work


Included in this scope of work HCLV will provide and integrate the following equipment.

- (1) One Qsys Processor will be installed to replace the two Biamp DSPs and the Crestron Control Processor (This unit will consolidate control and audio to create a much simpler design with better reliability)
- (1) One 10" Touch Panel will be installed at the Employee station to replace the current iPad Crestron Controller (This unit will allow for all control from a wired touch screen to create better reliability, there will be the option of iPad control app as well.)
- (1) One Qsys Amplifier will be installed and replace the existing Biamp amplifier, allowing for four zones of audio, Dias, Mid Council, Rear Council, and Overflow. This will enable better control of volume throughout the space.
- (3) Visionary Video Encoders will replace the existing Crestron DM6x6 unit and allow for three HDMI inputs (Rack PC, Podium, and Clerk)
- (5) Five Visionary Video Decoders will be installed to provide video signal to the following sources independently (Overflow TV, Projector, Council TV, Council member screens, and Broadcast Pix)
- (1) One Qsys Software Dante License will be installed to provide up to 16 channels of Dante Audio to the Broadcast Pix controller, allowing for dedicated audio mixing of all audio inputs to Broadcast, creating a much better audio experience for the remote audience)
- (1) One Assisted Listening Device will be installed in the rack with 4 Receivers that will be available for attendees in need of assisted listening. More receivers can be added in the future as needed.
- (1) One Network switch will be installed to handle all AV network traffic
- (1) One UPS Battery Backup and Surge will be installed to protect all equipment and keep equipment running during power fluctuations
- (13) Thirteen Shure MX418 gooseneck microphones will be installed at current dias and employee locations connecting to existing wiring and replacing the current tabletop microphones
- (1) One Matrox Monarch Encoder for recording and streaming to Civic Plus Software Platform
- (15) EZ Vote voting keypads and M-Vote software suite will be included to replace voting from the Crestron control pad


Owner Furnished Equipment to be Reused with this Project-(Note any equipment that is deemed to be unusable or not in good working order may result in additional charges)

- Panasonic NDI cameras
- Panasonic Laser Projector and Screen
- NEC 86" TV
- Overflow TV
- In-Ceiling Speakers
- Equipment Rack
- Podium Microphone
- Existing Cabling between the Rack and Dias/Podium/Displays

AV

IMAGE	QTY	DESCRIPTION
	1	QSC CORE 110f-v2 Unified Core with 24 local audio I/O channels, 128x128 total network I/O channels with 8x8 Software-based Dante license included, USB AV bridging, dual LAN ports, POTS and VoIP telephony, no GPIO, 16 next-generation AEC processors, 1RU.

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IMAGE	QTY	DESCRIPTION
	1	QSC TSC-101-G3 Q-SYS 10.1" PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
	1	QSC TSC-710t-G3 Table top mounting accessory for TSC-70-G3 and TSC-101-G3.
	1	QSC CX-Q 2K4 4-Channel 500W/CH Q-SYS Network Amplifier, Lo-Z, 70V, 100V direct drive, FlexAmp™, Mic/line Inputs, 100-240V.
	1	QSC SLDAN-16-P Q-SYS Software-based Dante 16x16 Channel License, Perpetual.
	1	QSC SLMST-110-P Q-SYS Core 110 license for software features, enables both Q-SYS Scripting and UCI Deployment, Perpetual
	3	Visionary Solutions E4200 A/V Encoder, 4K UHD over IP cinema quality ultra-low latency visually lossless switch matrix routable, with built-in video wall functionality, Expansion Ethernet Port; POE+; Upgradeable to AES67/Dante
	5	Visionary Solutions D4200 A/V Decoder, 4K UHD over IP cinema quality ultra-low latency visually lossless switch matrix routable, with built-in video wall functionality; Expansion Ethernet Port; POE+; Upgradeable to AES67/Dante
	1	Atlona AT-RON-448 Atlona® 4K HDR 8-Output HDMI Distribution Amplifier
	1	Listen Technologies LS-54-072 Listen iDSP Prime Level II Stationary RF System (72 MHz)
	1	Netgear GSM4230UP-100NAS M4250-26G4F-POE++ MNGD SWITCH PERP
	1	Wattbox Power KIT-UPS-IPVM12-2000 WattBox® IP UPS Kit - 12 Controllable Outlets 2000 VA
	14	Shure MX418D/S Supercardioid-18" Desktop Gooseneck Condenser Microphone, Attached 10' XLR Cable, Logic Functions, Programmable Switch and LED Indicator, Attached Desktop Base
	1	Matrox MHLCS/I Matrox Monarch LCS
	1	Meridia EZ-VOTE-5 EZ-VOTE 5 Bundle (10 keypads, receiver, carry case)

COUNCIL ROOM TOTAL

\$49,805.04


High Country Low Voltage LLC

SPEAKERS FOR BROADCAST SETUP

SCOPE

Install two powered monitors and connect to the Pix Broadcast Computer.

AV

IMAGE	QTY	DESCRIPTION
	2	JBL 305PMKII Powered 5" Two-Way Studio Monitor

SUMMARY

SPEAKERS FOR BROADCAST SETUP TOTAL **+\$526.00**





High Country Low Voltage LLC

WIRELESS MICROPHONE ADDITION

SCOPE

Addition of two wireless gooseneck microphones to the system.

AV

IMAGE	QTY	DESCRIPTION
	1	Panasonic WX-SR204 Wireless Receiver (4 ch - Analog)
	1	Panasonic WX-SA250 Wireless Antenna
	2	Panasonic WX-ST600 Wireless Base for Gooseneck Microphone
	2	Panasonic WM-KG645 18-inch Gooseneck Microphone

SUMMARY

WIRELESS MICROPHONE ADDITION TOTAL	+\$4,930.49
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ACCEPTANCE

FINANCIAL

PAYMENT SCHEDULE
Net 30 from date of completion.

EQUIPMENT TOTAL	\$37,463.10
SHIPPING TOTAL	\$530.00
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LABOR TOTAL	\$11,126.50
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CABLING LOT, ADAPTORS, TERMINATIONS, AND CONSUMABLES	\$1,215.44
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TOTAL TAX	\$0.00
PROJECT TOTAL	\$50,335.04

OPTIONS Not included in the project total. Initial to the left to add the option to your project.

_____ SPEAKERS FOR BROADCAST SETUP	+\$526.00
_____ WIRELESS MICROPHONE ADDITION	+\$4,930.49

TERMS

I accept this proposal and hereby authorize High Country Low Voltage LLC to proceed with the installation of the included systems at the facilities of Town of Johnstown constructing at Johnstown, Co as described in the totality of this document. I further authorize High Country Low Voltage LLC to be granted the facility access that will be required to complete this project in a workmanlike and timely manner and for payment to be made to High Country Low Voltage LLC. In keeping with the Terms of Payment listed above. It has been made clear to me that there exist no understandings regarding this project with any relevant party unless and until Town of Johnstown and High Country Low Voltage LLC agree to such additional or alternate understandings in writing. Project cost and pricing are dependent upon a continual flow of work without interruption or delays imposed by Town of Johnstown or their staff, construction, other building trades or any other party, and additional costs may be incurred by Town of Johnstown from High Country Low Voltage LLC. If such delays result in additional costs that are not covered by the pricing in this proposal. I agree that any additions to and/or deletions from the materials and labor to be provided by my acceptance of this proposal and any resulting change(s) in cost of this project shall only be by way of written change order(s) and shall be valid only after being signed by Town of Johnstown and High Country Low Voltage LLC. This proposal is valid only if accepted in writing by Town of Johnstown and deposit payment received no later than January 12, 2024.

ACCEPTANCE

TOWN OF JOHNSTOWN

SIGNED

DATE

PRINT NAME

TITLE

HIGH COUNTRY LOW VOLTAGE LLC

SIGNED

DATE

PRINT NAME

TITLE