



Alzimuth

Proposal: Preliminary - St Helens City Council Chambers - w/ HD Cameras
- Rev# 3

Prepared On: 3/14/2017

For: City of St. Helens

Presented By: Erik Elsey

Lewis Audio Video has been providing custom solutions for home and business owners since 1981. We specialize in connecting all your low voltage equipment, from TVs and audio systems to security monitoring and shade control, Lewis Audio Video can simplify your life with state-of-the-art technology packaged in beautiful, simple-to-use solutions.



Scope of Work

Preliminary Quote

This proposal is based on the equipment and installation needs that were assessed during the City Council meeting on 3/1/17. Please look it over and let us know if it meets your requirements. If changes need to be made, we are ready and willing to work with you on adding, deleting or modifying any or all of your quote until it reflects the exact system needed.

Scope of Work

Existing Equipment/Equipment Removal

Some equipment will be removed from the system due to obsolescence. However, the following existing equipment will be reused in this design. .

- Wireless Mics - 1 will be replaced the rest will be reused
- Power strips
- Audio hearing impairment assistance equipment
- Equipment Rack
- Cable TV stations Leightronixs equipment
- Leightronix Nexus TV Studio
- VGA extensions currently in use for the document camera and presentation PC
- Desktop Computers
- Smart Sympodium
- Document Camera

Prewire

In order for this system to be functional, cabling infrastructure will need to be installed to connect devices. This Includes:

- (11) Shielded Cat 6 cable runs from the AV rack to various displays and devices in the room
- (1) Cat 6 cable runs from the AV rack to control panels
- (4) new 18/2 shielded cable runs

Azimuth Communications and Lewis Audio Video will provide the following product, installation and programming

Control System and Video Distribution

Control Processor/System Programing

- Install and program a Crestron presentation switcher/control processor
- Install a 16 port POE network switch to connect all devices

Control Panel on Desk

- Install a 10" Crestron control panel on the desk near the computer operator. This will be for all room functions

Podium VGA/HDMI Input Jacks

- Install an in-desk VGA and HDMI cables compartment.



- Install a VGA/HDMI connection plate in the podium to send laptop signals to the video system

Video Distribution

- Install various cables to connect devices throughout the room

Blu-ray Player

- Install a new Blu-ray player beneath the desk for media playback

Microphones/Audio Recording

Wireless Mics

- Install (1) Shure wireless handheld mic to replace existing mic

Audio Recorder

- Install an Audio Technica microphone processor system and recorder

Table Mics

- Install (12) Audio Technica gooseneck microphones w/ tally light and base unit

Audio processing for clean audio to internet stream or cable channel

- Install a BSS audio processor

Room Display Options

75" Front Wall/Main Display

- Install (1) Sony 75" TV on the front wall and connect to the system for room display

65" Monitor on Pole

- Install (1) Sony 65" TV on the pole facing the council.
- Display will mirror content from the main screens

Projector and Screen Replacement

- Replace existing screen and projector with a new wide screen projector and screen
- Display will mirror content from the main screens

Rack Equipment

- Install a IP controlled power conditioner to monitor and provide remote support for system
- Provide and install various rack panels as the rack is reconfigured

HD Camera System (Capture Only)

- Install 2 New PTZ cameras
 - One facing the podium
 - One facing the council



- Route cameras to a Production Video Switcher
- Connect the output of the production switcher to the owner supplied streaming solution

Possible solutions include: ·

- Granicus, www.granicus.com, Ahmad Abderrahim Ahmad.Abderrahim@granicus.com
- Swagit, www.swagit.com, Russell Towers rtowers@swagit.com
- Accela, www.accela.com, Drew Baker abaker@accela.com
- ClerkBase, www.clerkbase.com, Dennis Corrado Dennis@ClerkBase.com
- iCompass, www.icompass.com,

Note: Additional adapters may be needed to convert video/audio signals to the proper format for streaming

Network Access Required

In order for equipment to work properly. Lewis Audio Video will need to have access to the existing wired network at the equipment install locations. This includes SSID's and passcodes.

Owner Supplied Installed Speakers

The existing speakers and wiring will be used as part of this system. Due to accessibility factors the speaker condition, brand and model was not available at the time of the walk through. Lewis Audio Video will make every attempt to make these speakers function with the new system. However, in the unlikely event that incompatible equipment is found during the installation, additional equipment and wiring may need to be purchased, ordered and installed to make the system functional.

Electrical Installation Needed

TV power will need to be installed by the property owner before Lewis AV can begin work. Please make arrangements for a duplex outlet to be installed behind the location of the TV. When an electrician has been hired, please notify Lewis AV in order for the outlet location to be specified.



System Component Removal



- 1 Lewis Audio Video Custom Labor**
Labor to remove existing system, and clean rack for installation

Prewire



- 4 STRUCTURED WIRING RETRO-MIC** **\$120.00**
Wiring for Microphone
- 12 STRUCTURED WIRING PW-CAT6** **\$362.40**
Use Task Description

Control System/Video Distribution

Control Processor/System Programing



- 1 EACH Crestron Electronics DMPS3-4K-150-C** **\$5,000.00** **\$5,000.00**
3-Series 4K DigitalMedia Presentation System 150



- 1 each TECH LABOR Programming** **\$2,900.00** **\$2,900.00**
System Programming and Debugging



- 1 EACH ARAKNIS NETWORKS AN-210-SW-R-16-POE** **\$599.95** **\$709.95**
16-port Websmart Gigabit Switch with Partial POE+ and Rear Ports



- 10 EACH WIREPATH ETHERNET7** **\$14.00** **\$140.00**
Cat 6 7ft Ethernet Patch Cable

Control Panel on Desk



- 1 EACH Crestron Electronics TSW-1060-B-S-Black Smooth** **\$2,400.00** **\$2,400.00**
10.1" Touch Screen



- 1 EACH Crestron Electronics TSW-1060-TTK-B-S-Black Smooth** **\$250.00** **\$250.00**
Tabletop Kit for TSW-1060

Podium VGA/HDMI Input Jacks



- 1 EACH Crestron Electronics DM-TX-200-2G-Black** **\$1,200.00** **\$1,200.00**
Wall Plate DigitalMedia™ CAT Transmitter 200



1 EACH	Crestron Electronics TT-101-B-T-Black Connect It Cable Caddy w/Cables & 120V Outlet	\$450.00	\$450.00
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Video Distribution



1 EACH	ATLONA AT-HD420-Black HDMI to VGA or Component Converter for Existing Projector (Can be removed if replacing w/ HDMI unit)	\$239.99	\$239.99
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5 EACH	BINARY B6-HD-2 GripTek High Speed Licensed HDMI Cable with Ethernet 2 Meter (6.56 ft)	\$29.99	\$149.95
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2 EACH	BINARY B4-VGA-AUD-50FT Male to Male VGA Cable with 3.5mm Stereo Plug (50 ft.)	\$74.99	\$149.98
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Blu-ray Player



1 EACH	SONY BDP-S7200 Wi-Fi streaming Blu-ray disc player with 4k upscaling	\$179.99	\$223.98
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Microphones/Audio Recording

Wireless Mics



1 EACH	SHURE AUDIO SLX2/SM58 Handheld Transmitter with SM58 Microphone	\$749.00	\$749.00
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Audio Recorder



1 EACH	AUDIO-TECHNICA ATUC-50CU Digital Discussion System Control Unit	\$1,500.00	\$1,500.00
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Table Mics



12 EACH	AUDIO-TECHNICA ATUC-50DU Digital Discussion System Discussion Unit	\$350.00	\$4,200.00
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12 EACH	AUDIO-TECHNICA ATUC-M43H Digital Discussion System Gooseneck Microphone	\$150.00	\$1,800.00
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Audio Processing for clean audio to internet stream or cable channel



1 EACH	BSS AUDIO BLU-100 12x8 Signal Processor	\$1,972.00	\$1,972.00
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Room Display Options



75" Front Wall/Main Display



1 EACH **SONY XBR-75X850D** \$2,499.99 \$2,589.94
75" HDR 4K UHDTV



1 EACH **STRONG MOUNTS SM-T-XL** \$299.00 \$299.00
X-Large Tilt Mount for Most 55-70 in. Flat-Panel TVs



1 KIT **BINARY B-520-EXT-330-RS-IP** \$699.95 \$739.93
HDBaseT Extender (330 ft), Bi-directional IR, RS-232, Ethernet and POC

65" Monitor on Pole



1 EACH **SONY XBR-65X850D** \$1,599.99 \$1,689.94
65" 4K UHDTV



1 EACH **Strong Mounts SM-CS-ART2-XL** \$449.00 \$449.00
Universal Articulating Mount With Dual Arms for Large 47-90 in. Displays



1 KIT **BINARY B-520-EXT-330-RS-IP** \$699.95 \$759.92
HDBaseT Extender (330 ft), Bi-directional IR, RS-232, Ethernet and POC

Projector and Screen Replacement



1 KIT **BINARY B-520-EXT-330-RS-IP** \$699.95 \$739.93
HDBaseT Extender (330 ft), Bi-directional IR, RS-232, Ethernet and POC



1 EACH **EPSON PowerLite 1980WU** \$1,499.00 \$1,499.00
WUXGA 4400 Lumens



1 EACH **DRAPER 139040** \$2,199.00 \$2,199.00
123" 16:10 Recessed Electric Screen

Rack Equipment



1 EACH **WATTBOX WB-700-IPV-12** \$629.95 \$640.95
IP+ 12 Controlled Outlet Rack Mount Power Conditioner with Auto Reboot



10 EACH **Middle Atlantic VT2** \$22.00 \$220.00
2U Vent Panel



2 EACH **Middle Atlantic U2V** \$69.99 \$139.98
2 Space Vented Rackshelf

HD Camera System/Broadcast Video Switching



Broadcast Video Switcher



1 EACH	Lewis Audio Video Misc-Part Black Magic Design - ATEM Video Switcher w/ HD/SDI output	\$995.00	\$995.00
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HD Camera Upgrade



2 EACH	INFOCUS INA-PTZ-3 PTZ Camera w/USB-3.0, Network, & HDMI	\$2,352.00	\$4,704.00
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Travel/Delivery



1 EACH	Lewis Audio Video Trip-51 Trip charge: greater than 50 miles	\$125.00	\$125.00
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1	LEWIS AUDIO VIDEO PERMIT Low Voltage Permit	\$150.00	\$150.00
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Terms and Conditions

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It is our desire to be your partners in what can be a confusing and sometimes intimidating mix of equipment and technology. As your partner, we strive to keep things simple and easy to understand. That goes for our terms and conditions, too. Let's keep this in plain English and easy to understand.

Pricing: The document you are holding is our description of the equipment and labor necessary to complete your project as you specified. Any additions or subtractions to this quote will be handled with a client approved change order which will detail any changes in costs and parts.

Payment: We will do all we can to meet your scheduled time frame with a complete and functional system. We ask that you help us by making your payments promptly. Our preference is for you to pay in full upon acceptance of this quote. But we can also provide custom payment terms, which are outlined in the Payment Schedule of this proposal. If you are unable to meet this payment plan, we have a number of financing options available to you and would be happy to help you work through those.

Delivery: Lewis Audio Video will deliver and install the equipment at your location and will make every effort to meet the timeframe agreed upon. However, sometimes the arrival dates of products have to change based on circumstances outside of our control. In the event that a shipping delay will affect your project, we will communicate that delay with you and, if necessary, provide substitute equipment of equal or greater capability.

Warranties: All of our labor is warrantied against defect for the life of your equipment as long as nothing is modified by anyone else after our installation is complete. All of the equipment you purchase is covered by a manufacturer's warranty. In the rare event that the goods you have purchased need warranty repair, we are here to help facilitate those repairs at our standard hourly rate. A service contract or extended warranty may also be available to add peace of mind to your system purchase.

Return Policy: While we are sure you will love your new equipment, there may be a time when you need to return something. We will gladly accept your return within 30 days of original purchase as long as it is in full working condition with the original boxes, shipping materials, and accessories intact.

Agreement: That's it. This is the total of our agreement. If you are ready to move forward, let's shake hands and get your project scheduled for install. We are excited to be working with you and are thankful that you choose to trust Lewis Audio Video with your purchase.



Terms and Conditions

Misc Parts	\$424.58
Parts	\$42,457.84
Labor	\$7,482.90
Sales Tax	
Total	\$50,365.32

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www.lewisav.com

City of St. Helens

Date: _____

Erik Elsey

Date: _____