

**ADVERTISEMENT FOR BIDS  
FLATHEAD COUNTY COURTHOUSE  
AUDIO VIDEO SYSTEM  
FLATHEAD COUNTY, MONTANA**

Flathead County, Montana will receive sealed bids for all labor, materials and equipment necessary for an audio video system. All **sealed bids**, plainly marked as such shall be in the hands of the County Clerk and Recorder on or before **9:15 o'clock** a.m. on **August 15, 2011**. Bids will be publically opened and read immediately thereafter.

**WORK TO BE PERFORMED WILL INCLUDE:**

Work generally includes installing an audio video system for the Commissioners' Meeting room and a small conference room.

The detailed specifications for the audio video system is available at [www.flathead.mt.gov/commissioners](http://www.flathead.mt.gov/commissioners) or at Flathead County Commissioners Office, 800 South Main Street, West Annex, Kalispell, Montana 59901.

Bids shall be addressed to the Flathead County Clerk & Recorder, 800 South Main, Kalispell, Montana 59901, and must be sealed and entitled "FLATHEAD COUNTY AUDIO VIDEO SYSTEM." All bidders shall possess an appropriate Montana Contractor's License and no contract shall be awarded to any bidder unless he or she is the holder of a license in the class within which the value of the project falls. **The bidder's Montana Contractor's License number and address shall appear on the sealed bid envelope.**

All bids offered shall be accompanied by a check payable to the Flathead County Treasurer, certified by a responsible bank, or a Bid Bond for an amount which shall not be less than ten (10%) percent of the aggregate of said proposal. The Bids shall, in open session, be publicly opened and examined and declared the same; provided, however, that no Bid shall be considered unless accompanied by said check or Bid Bond. The County may reject any and all Bids should it deem this for the public good, and also the Bid of any party who has been delinquent or unfaithful in any former contract with the County, and shall reject all Bids, other than the lowest regular bid of any responsible bidder, and may award the Contract for such work or improvement to the lowest responsible bidder at the prices named in his or her bid.

The checks or Bid Bonds of the three (3) low responsible bidders accompanying such accepted Bids shall be held by the County until the Contract for doing said work, as hereinafter provided, has been entered into, whereupon said checks or Bid Bonds shall be returned to said bidders. If the lowest responsible bidder fails, neglects, or refuses to enter into the contract to perform said work or improvements, as hereinafter provided, then the check or Bid Bond accompanying his or her bid, and the amount therein mentioned, shall be declared to be forfeited to the County. After a Contract is awarded, the successful bidder will be required to furnish a Performance and Payment Bond in the amount of one-hundred (100%) percent of the Contract.

No bidder may withdraw his bid for at least sixty (60) days after the scheduled time for receipt of bids.

Bidders on the work will be required to comply with Montana Prevailing Wage Rates. It is incumbent upon each employer to pay, as a minimum, the rate of wages including fringe benefits for health and welfare and pension contributions, and travel allowance provisions, provided in the most current Prevailing Wage Rates. Bidders on the project will also be required to pay the State's 1% Contractor's withholding tax.

Award of the Contract will be made solely by issuance of a Notice of Award to the successful bidder by the Office of the Flathead County Clerk and Recorder.

Dated this 27<sup>th</sup> day of July, 2011.

BOARD OF COUNTY COMMISSIONERS  
Flathead County, Montana



By: *James R. Dupont*  
James R. Dupont, Chairman

ATTEST:  
Paula Robinson, Clerk

By: *Diana Kile*  
Deputy

Publish August 1 and August 8, 2011.

PROJECT: FLATHEAD COUNTY  
COURTHOUSE RENOVATION – AUDIO VIDEO SYSTEM  
800 SOUTH MAIN STREET  
KALISPELL, MT

CONTACT: JAE CARNSEW  
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## **SUMMARY**

The Flathead County Commissioners desire to implement an Audio/Video System in their new meeting room and in an adjunct small conference room.

In the main meeting room this system will provide a high quality audio system, a high definition video display system, a high definition videoconferencing system and a system to digitally record the meetings' audio/video content for storage and possible later access via the Internet. Additionally, there will be a teleconferencing system that utilizes the PA system and it will function similarly with the videoconferencing system.

The small conference room will have a similar video display unit and the ability to interface a laptop computer.

## **SYSTEM DESCRIPTION**

### 1. AUDIO SYSTEM

The Audio system will need to have a total of nine (9) inputs:

- a. Commissioner One Microphone
- b. Commissioner Two Microphone
- c. Commissioner Three Microphone
- d. Finance Officer Microphone
- e. Podium Microphone
- f. Gallery Presentation Microphone
- g. Wireless Microphone One (Lapel)
- h. Wireless Microphone Two (Tabletop)
- i. Audio from Video Conferencing System

The inputs shall all be routed to a Digital Automatic Matrix Mixer. The outputs from this mixer shall feed the following devices:

- a. Channel One of the Power Amplifier
- b. Channel Two of the Power Amplifier
- c. The input of the ADA Hearing Assist System
- d. The inputs of the Digital Recording Device interface

The Power Amplifier will feed the following speakers:

Channel One

- a. The Speaker for Commissioner One
- b. The Speaker for Commissioner Two
- c. The Speaker for Commissioner Three
- d. The Speaker for the Finance Officer
- e. The Speaker for the Podium/Gallery Display table

Channel Two

The six (6) 6.5" 2-way speakers above the Gallery area.

The amplifier will have sufficient power to drive all loads comfortably and preferably will have 70 volt line outputs.

The Automatic Matrix mixer will also have an interface to a hybrid teleconference/videoconference device. This device will accept input from an analog telephone line and provide an output to an analog desktop telephone to initiate conference calls. This device will also accept input from the Codec for audio and provide a return feed to the Codec for video conferencing audio. Both of these devices will have remote control devices that can be operated by the Clerk of the Board who is located next to the Finance Officer. The analog desk phone will also be located and operated by the Clerk.

The wireless microphone system will be need to be of the 128-bit encrypted digital type, operating in the 1.9 Ghz band. The receiver will be located in the Main conference area behind the LCD panel. The wireless receivers will have rechargable Lithium polymer batteries capable of operating for an 8-hour period, without recharge if necessary. The charger for these will be provided with the system.

There will be an ADA compliant Hearing Assist System that has four belt pack style receivers.

All of the audio equipment (excepting the microphones and speakers) will be located in the data closet in a 19" EIA rack. Racking and power protection will be provided by the County IT Department. Wiring chases for all cabling have been provided in the appropriate areas. There is a provision for the antenna for the Hearing Assist System to be located discretely in the Conference area.

## 2. VIDEO SYSTEMS

Both of the Commissioners' meeting rooms will have 70" LCD Displays. These displays will have RS-232 control (for future use) and multiple HDMI inputs as well as line level audio outputs. Both of these displays will have Hi-Definition scalers and will have the ability to connect to tabletop flip-top boxes that house an HDMI cable, a VGA cable and audio cables and provide AC power outlets (Quantity 2).

The video display in the main conference area will need to have an articulating wall mount facilitating outward movement of at least 12 inches and tilt movement of at least 15 degrees.

The Video display in the small conference room shall need to be a wall mount with an option for a 15-degree tilt.

## 3. VIDEO CONFERENCE SYSTEM

The County will provide a Polycom Videoconferencing unit. The PTZ Camera/Unit will need to be ceiling mounted either in the middle of the main conference area or in an area that allows premium viewing of the Commissioners and the Finance Officer. The Codec will need to be mounted on a rack shelf in the data closet and provision made for the remote control to work in the main conference area.

## 4. DIGITAL RECORDING SYSTEM

The Digital Recording System will consist of software that is installed on the Clerk's PC in the main conference area. This software will record multichannel audio in the interest of transcription work as well as video. This software will be capable of operating on Windows 7, as well as Windows XP.

## **EQUIPMENT**

### AUDIO EQUIPMENT

Audio-Technica ES915ML15 (Quantity: 4)

Audio-Technica ES935ML6 (Quantity: 1)

Audio-Technica ES915ML24 (Quantity: 1)

Audio-Technica 8666RSP (Quantity: 5)

RevoLabs 02-HDDUAL-NM (Quantity: 1)

RevoLabs 01-HDEXEMIC-11 (Quantity: 1)

RevoLabs 01-HDTBLMIC-DR-11 (Quantity: 1)

Galaxy MSPMVC (Quantity: 5)

JBL Control 26CT (Quantity: 6)

Lectrosonics DM1612F (Quantity: 1)

Lectrosonics DMTH4 (Quantity: 1)

Lectrosonics RCWTH4 (Quantity: 2)

Crown 280A (Quantity: 1)

AT&T CL2909 (Quantity: 1)

Williams PPA-377 PRO (Quantity: 1)

Griffin iMic (Quantity: 1)

#### VIDEO EQUIPMENT

Sharp LC-70LE732U (Quantity: 2)

Articulating Mount for above (Quantity: 1)

Tilt Mount for above (Quantity: 1)

Crestron HD-Scaler (Quantity: 2)

Crestron FT-PWR-D (Quantity: 2)

Custom Pole Mount for Camera (Quantity: 1)

Pinnacle Dazzle (Quantity: 1)

#### SOFTWARE

FTR Reporter 5.4 Audio/Video (Quantity: 1)

#### QUALITY ASSURANCE

1. Installers of the Audio/Video equipment and cabling shall have at least 5 years experience installing, testing and supporting similar systems. They should also have a minimum of five installations of similar size and magnitude with similar equipment and be able to provide verifiable references.

2. The Audio/Video Contractor must be able to provide 4-hour phone response, a 24-hour on-site response time and be able to provide loaner equipment in the event of equipment failure (while the equipment is under warranty). They must be able to provide a support contract and be able to offer the above mentioned conditions under a support contract if the County desires.
3. The Audio/Video System has been designed and specified to meet present and future needs anticipated by the client, as well as maintaining a level of compatibility with other City, County and State Systems currently in use. The base bid shall be the system specified herein. Products in compliance with the performance specifications, but those not listed, will be considered only if approved by the IT Department ten (10) days prior to bid closing date.
4. Audio/Video contractors will only be considered for this project if they are Factory Authorized Dealers for the products specified in the interest of product support and future upgrades. An exception will be considered for the LCD displays if the Contractor has the ability to provide loaner or replacement equipment in the 24-hour period in the event of equipment failure.
5. The Contractor will provide "as-built" drawings at the end of the project.

### **COORDINATION**

1. Coordinate layout and installation of audio/video equipment and cabling with the County IT Department.

### **EXECUTION**

1. Installation
  - a. Check all raceways for compliance with space allocations, installation tolerances and other conditions affecting installation. Proceed with installation only after unsatisfactory conditions have been corrected.
  - b. Pull cables without exceeding the manufacturer's recommended pulling tensions. If more than one cable is being installed in the same raceway then pull all cables simultaneously.
  - c. Install cabling in raceway except in accessible ceiling spaces. Use UL-listed plenum cable in environmental air spaces, including plenum ceilings. Install cables without damage to the jacket, shield or conductors.
  - d. Do not bend cables beyond the minimum recommended radii at any time during installation, transportation or handling.
  - e. Conductor splicing is not acceptable. All audio/video conductors must be continuous from the source equipment to the load equipment.

2. Testing

- a. Inspect 100% of cabling for physical damage and test each conductor signal path for continuity and shorts.

3. Field Quality Control

- a. Inspect raceways and boxes in accordance with TIA/EIA 568
- b. The contractor shall supply digital and printed test results to the County IT Department at the completion of the project, including all warranty paperwork.
- c. The contractor shall provide an as-built drawing showing all cable types and routing.

4. Labeling

- a. Label each cable within four inches of each termination where it is accessible for viewing. Coordinate exact labeling nomenclature, appearance and requirements with the County's IT Department.
- b. Provide a building floor plan with as-built information on cable pathways and terminations.

5. Training

- a. The Contractor will provide training on both the software and on the use of the audio / video system.