

SPECIFICATIONS

BID ID #6668

INSTALLATION OF CAMERA SURVEILLANCE SYSTEMS (District Wide)

DESCRIPTION OF WORK

JCPS is planning the installation of (CCTV) camera surveillance systems in our schools and other district owned buildings located in Jefferson County. The vendor will provide all labor and materials, per the attached schedule, required to install a complete operating CCTV system. In general, the completed installation will have the ability to record images from cameras mounted in various locations to a DVR, at a resolution of 640X480, at 6 frames per second, 24 hours a day, 7 days a week, for up to 14 consecutive days, before starting to erase the recorded video from the first day. The DVR shall be located in the same building as the cameras it will be recording.

The vendor must maintain a local office, with a staff of CCTV technicians, within 50 miles of the Louisville metro area. The vendor must have a minimum of three years experience in the specific application of the equipment proposed. Once notified by JCPS a technician must respond and repair the system within 24 hours in the case of a DVR failure and within 48 hours for a camera out during the one year warranty period.

The vendor will provide all electronic recording equipment, cameras, mounts, cabling, accessories and hardware needed (as specified in the equipment list) to complete the installation.

The electronic equipment (DVR, Cameras, Power Supplies, Etc.) provided by the vendor, must be the models specified in the equipment list, or equal to* and shall be able to operate using the Honeywell Rapid-Eye software.

* JCPS reserves the right to determine "or equal" status for substitutions. Descriptive literature for substitute or alternative systems, components, materials and or equipment must be received no later than (10) working days prior to bid opening date. All literature shall include a complete list of models and manufacturers for equipment and materials proposed as substitutions for this project. Complete engineering data, catalog information, wiring and connection diagrams and system layouts shall be included with this list.

A minimum of 4 cameras (with no maximum number of cameras) will be ordered at any particular location where this specification is to be exercised. Pricing will be requested separately for those locations where less than 4 cameras are to be installed.

SCOPE

Prior to the installation, the vendor will meet with the school Principal or Principal designee and if not a school, the building manager to do a walk through the facility to determine the camera locations and the placement of the equipment cabinet. The vendor will advise the school Principal or Principal designee or if not a school, the building manager on which type of system to use and the best locations for the cameras to obtain the desired coverage.

The vendor will provide a proposal, including the cost of the system's installation and a detailed camera layout showing the locations discussed during the walk through, to the school's Principal or building manager free of charge, for their approval, prior to the installation. The work shall be completed within 30 days after the receipt of the JCPS purchase order. Upon completion a detailed drawing (see attached example) showing all camera locations must be given to the JCPS Electronic Maintenance Department.

The vendor shall install, after the system's installation is completed, the surveillance system software on each computer requested by the facility (a maximum of 4). The contractor shall provide a minimum of 1 hour of in-service training to school or building personnel on the system's operation.

SPECIFICATIONS - Cont.

Every effort should be made to conceal all cabling, but where visible, all cabling will be protected with surface mounted raceway, ivory in color or EMT (electrical metallic tubing) and where hidden by ceiling condition, communications cabling may be run in the ceiling cavity. These cables shall be placed as high as possible above the ceiling. All cables utilized in this manner will be plenum rated, and must be supported off the ceiling at no more than 3 foot intervals with bridle rings. At no time shall any cabling lay on top of the ceiling tile. A bushing is to be used where cables transition from raceway or conduit to protect cables from chafing. All cabling extending from the ceiling cavity to the cameras should be in surface mounted raceway, ivory in color, in order to present a finished appearance. All cabling located on the exterior of the building shall be in EMT.

All cabling shall be installed as specified in the JCPS Wiring Installation Guidelines and present a finished appearance.

The DVR will be installed in a lockable cabinet on site, per the specs as listed in the Execution/Installation section and connected to the LAN (local area network) to allow Ethernet communications. The vendor will obtain the IP address from the JCPS Electronic Maintenance Department.

The entire system is to be installed such that all components and wiring comply with all applicable electrical and safety codes. The installation and equipment will be warranted for a period of one year from date of acceptance by the school Principal or building manager and is to include all parts, equipment, materials, trip charges and labor.

The contractor is not expected to address asbestos or lead paint within the scope of this bid. **If asbestos or lead paint is found or suspected, the contractor will immediately stop work in progress and notify the Principal or Building Manager who will investigate and address the situation.**

The vendor, after the installation is completed, shall complete the attached “**Surveillance Camera System Install Information Sheet**” for each facility installation and fax it to the JCPS Electronic Maintenance Department at (502) 485-3606.

EXECUTION/INSTALLATION

All installations shall be made by workmen skilled in the specific trade and the vendor must have at least 3 years experience in the installation of CCTV systems. References shall be provided by the vendor to the Foreman of the JCPS Electronic Maintenance Department if requested.

Every effort should be made to conceal all cabling, but where visible, all cabling will be protected with surface mounted raceway, ivory in color or EMT (electrical metallic tubing) and where hidden by ceiling condition, communications cabling may be ran in the ceiling cavity. All cables utilized in this manner will be plenum rated, and will be supported off the ceiling at no more than 3 foot intervals with bridle rings. At no time shall any cabling lay on top of the ceiling tile. A bushing is to be used where cables transition from raceway or conduit to protect cables from chafing. All cabling extending from the ceiling cavity to the cameras should be in surface mounted raceway, ivory in color, in order to present a finished appearance. All cabling located on the exterior of the building shall be in EMT and shall be preapproved by the JCPS Electronic Maintenance Department prior to installation.

All cabling shall be installed as specified in the JCPS Wiring Installation Guidelines and present a finished appearance.

The DVR and camera power supplies are to be installed in a wall mounted cabinet (see specifications for Equipment Cabinet). The cabinet shall have a lockable door and all wires entering the cabinet must be in EMT conduit. Lock keys must be furnished to the Foreman of the J.C.P.S Electronic Maintenance Department.

A quad AC electrical outlet shall be installed inside the cabinet and connected to a 20amp circuit to power the installed equipment. All equipment in the cabinet shall be surge protected.

SPECIFICATIONS - Cont.

At the DVR and power supply each cable shall be permanently labeled with the camera number corresponding with the location of the camera it terminates in.

The cable for the video and power to the cameras must be siamese and plenum rated. (See equipment list)

The entire system is to be installed such that all components and wiring comply with all applicable electrical and safety codes. The installation and equipment shall be warranted for a period of one year from date of acceptance by the school Principal or building manager and is to include all parts, equipment, materials, trip charges and labor.

The contractor is not expected to address asbestos or lead paint within the scope of this bid. **If asbestos or lead paint are found or suspected, the contractor will immediately stop work in progress and notify the Principal or Building Manager who will investigate and address the situation.**

The installation of the surveillance system must be performed after regular school hours or when school is not in session, as not to disturb or disrupt students and teachers during class time. The contractor shall pay overtime expenses for board personnel requested to be present when not normally scheduled to work. No work is to be performed when JCPS staff is not in the building.