**NOTICE OF REQUEST FOR BIDS (RFB)**

**FOR**

**TRI-COUNTY REGIONAL JAIL, OHIO**

**PURPOSE OF REQUEST**

Tri-County Regional Jail (herein referred to as “Owner”) is seeking a Bid for a **Security Electronic Control System Retrofit for the Jail**. The specifications included in this request represent the minimum specifications acceptable. Please submit your company qualifications along with your bid for the replacement/upgrade equipment and services that might be requested.

**TERMS AND CONDITIONS**

1) The Owner is not liable for any costs incurred by the Bidders in preparing or submitting a bid.

2) All bids submitted become the property of the Owner and will not be returned.

3) In determining the lowest responsible Bidder, the Owner shall take into consideration the qualities of the articles supplied; their conformity with the specifications; their suitability to the requirements of the county and delivery terms, as well as the “Selection Criteria” as set forth below.

4) Any and all costs for a **Security Electronic Control System Retrofit for Tri-County Regional Jail** should be included in the proposed amount. The Bidder should include all anticipated costs incurred in performing the services such as delivery, administrative, management, meeting time, and any other similar items in its bid.

5) The Bidder shall represent and warrant that the products, equipment and/or services furnished under this proposal comply with all applicable standards, rules, and regulations in effect under the requirements of all Federal, State, and local laws, rules and regulations.

**SELECTION CRITERIA**

In addition to previously stated criteria, the following criteria will be used to evaluate bids. This is not intended to be a comprehensive list, nor are the arrangements of the criteria meant to imply order of importance in the selection process.

* **Compliance with RFB Instructions** - The proposals will be evaluated for general compliance with instructions and requests issued in the RFB. Noncompliance with significant instructions or specified products may be grounds for disqualification of bids.
* **Costs** – Costs will be carefully considered.
* **Delivery Schedule** – Bidder shall provide a general progress and delivery schedule.
* **Experience, Technical Expertise and Personnel Qualifications** – The prospective Bidders will be evaluated on their technical expertise, experience and personnel qualifications, financial condition, and conduct and performance on previous contracts. Bids should include complete information in these areas.
* **References** – Prospective Bidders shall provide at least 10 references of similar projects including name of project, location of project, current Owner/Operator contact information, value of project, manufacturers used and project scope.

Any exceptions to the above criteria must be explained in the bid for the Owner’s review and consideration.

**BID CONTENT**

All bids must conform to requirements listed below and contain all bid components listed below. No exceptions to this format will be accepted, and all sections of the bid components must be addressed in order for a bid to be accepted for evaluation.

Bids are to be delivered to: Questions are to be directed to:

Tri-County Regional Jail Greg Gossard, Maintenance Supervisor

4099 St. Rt. 559 (937) 834-5062

Mechanicsburg, Ohio 43044 ggossard@tricojl.com

1. All bids shall be submitted in a **sealed envelope, and marked, identifying intended "BID/PROPOSAL” plus state Bidder name address and phone number.**
2. Bid must be received no later than **Thursday, June 26, 2014 @ 10:00 A.M.** Bids received will be opened and tabulated immediately following the closing of the bid period.
3. All respondents must furnish the Owner with **1 Original Bids, 2 copies,** with bid components.
4. Bids received after the stated date and time will not be accepted. These bids shall be returned unopened and available for the Bidder to pick up.
5. The Owner will not accept faxed bids.
6. Bidders are expected to carefully examine all general and special conditions of the RFB prior to their submission of their proposal.
7. The Owner reserves the right to accept any bid, to reject any or all bids, to waive irregularities and informalities in this bid, and to make the award in any manner deemed in the best interest of Tri-County Regional Jail. The Owner reserves the right to reject all bids that exceed its estimated cost of the project or that do not conform to the requirements set forth in this Notice of Request for Bids.

**BID COMPONENTS**

**Section Topic:**

1. Cover Letter
2. Project Work Plan/Technical Approach
3. Project Scope of Work
4. Project Schedule
5. Resumes, Prior Project Descriptions, Firm Background
6. Certifications
7. Certificate of Insurance
8. Bid Cost
9. Warranty Information
10. Prospective Bidder’s standard service rates and terms
11. Ohio BWC certificate
12. Letter stating Bidder will pay wages no less than the prevailing wage rates applicable to the locality and appropriate classification(s) of work for this project. Letter must also state that Bidder will provide certified payroll for project.
    * **Cover Letter** – Provide a cover letter introducing the document as to its content and purpose. The cover letter should also identify the individual within your organization who will respond to questions the Owner may have regarding the bid. Include name, title, physical address, e-mail address and phone number where this person may be contacted.
    * **Project Work Plan/Technical Approach –** This section should reflect the Bidder’s knowledge and experience with the complete methodologies, equipment, hardware and software necessary to complete the project scope of work. The Bidder shall include a detailed explanation describing not only the specifications referred to in this RFB, but also any other procedures deemed necessary by the Bidder for the successful completion of the project.
    * **Project Scope of Work –** Provide a complete scope of work for the project detailing what is included and not included in your Bid.
    * **Project Schedule** – Include a schedule detailing general aspects of the project, including delivery of equipment and completion of the installation.
    * **Resumes, Prior Project Description, and Firm Background –** Provide an AIA-305A Contractor Qualification Statement. List the relevant experience of key personnel you would be assigning to this project. Describe prior project experience that exhibits your firm’s capabilities. Include a client list with project name, location, dollar value, scope of work, and current contact person (with phone number) so that references can be contacted. Provide a minimum of 10 references of similar projects. Provide evidence of manufacturer certifications as described in these bid documents.
    * **Certifications –** Provide evidence of manufacturer certifications as required in these bid documents.
    * **Certificate of Insurance –** Provide Certificate of Insurance detailing the coverage provided, listing Tri-County Regional Jail as the certificate holder. The certificate of insurance shall demonstrate a level of commercial general liability (CGL) coverage sufficient to cover the project.
    * **Bid Security -** Each bidder shall submit with their bid either a Bid Guaranty Bond for 100% of the amount of the bid or a certified check, cashier's check, or a letter of credit in the amount of 10% of the bid in accordance with ORC 153.54. The Owner reserves the right to retain the Bid security of the 3 lowest Bidders until a Successful Bidder enters into Contract or until 60 days after Bid Opening Date, whichever is less. The Bid security of Successful Bidder will be retained until such Bidder has executed the agreement, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Agreement and furnish the required contract security within 15 days after the Notice of Award, Owner may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of the 7th day after the Effective Date of the Agreement or the 6th day after the Bid security retention period indicated in paragraph 2 above, whereupon Bid security furnished by such Bidders will be returned. Bid security with Bids which are not competitive will be returned within 14 days after the Bid Opening.
    * **Bid Cost** – The Bidder must submit a cost proposal including all costs necessary for project.
    * **Warranty information** – Bidder shall provide detailed warranty information including the length of warranty and what items are, or are not covered by the warranty. Price shall include a two year warranty for all material and labor provided.

**GENERAL**

The Bidder, herein referred to as the Security System Integrator (SSI), shall provide all necessary equipment, material and labor to provide a fully-functional security automation system. The SSI shall provide a 2-year warranty on all equipment, material and labor provided. The SSI shall be an Indusoft Certified Systems Integrator or a Wonderware Registered Systems Integrator. The SSI shall be certified with the selected DVMS manufacturer and S2 Security for the access control system. The SSI shall provide evidence of certifications with their bid documents.

The Owner desires a bid consisting of scope as listed below including, but not limited to the following;

* Provide a submittal package to the Owner including the following; Product data being utilized that includes rated capacities, operating characteristics, furnished specialties, and accessories. Data sheets showing multiple products or models shall clearly identify the specific product or model being proposed. Provide shop drawings (generated by using CAD software) that include detailed equipment enclosure drawings showing arrangement of all proposed equipment with required wire-way and receptacles shown and provide system risers showing all required interconnections. Submit device schedules that reference the shop drawings detailing exact termination locations for each security device in the system. The device schedules shall indicate the name, location, termination point, voltage, and fuse ID for each. The schedules shall be categorized by device type (i.e. doors, intercoms, cameras, proximity readers, etc). Submit in a three ring binder with hardboard covers. The Owner shall provide a written acceptance of the submittal package prior to the SSI ordering material.
* Demolition and removal of equipment being replaced or abandoned.
* Turn-over of specific existing equipment to Owner.
* The SSI shall provide and install all necessary conduit/raceway, back boxes, junction boxes, cable supports and cabling to facilitate the installation of all new equipment included in these specifications and to provide a fully-functional security automation system. All new video system cabling shall be plenum-rated cable. Any new cabling in offender-exposed areas shall be run in EMT and fastened with 2-hole straps. All cable within equipment racks, cabinets, or on backboards, to be neatly bundled and secured. Seal-tite flexible conduits, NEMA-rated weatherproof junction boxes connectors shall be utilized for exterior camera locations.
* Assembly and testing of new equipment. This work shall be completed at the Bidder’s manufacturing location to the fullest extent possible.
* All necessary programming and configuration of new software systems. This work shall be completed at the Bidder’s manufacturing location to the fullest extent possible.
* For equipment stored off-site, the SSI shall protect equipment from theft or damage. All items stored for the project shall be clearly labeled as such and shall be available for inspection. Shipping receipts for stored items shall be made available upon request. The SSI shall provide appropriate insurance coverage for stored equipment that shall cover all items against theft or damage. The SSI shall provide pictures of equipment stored per Owner’s request.
* Demonstration of new hardware and software systems at Bidder’s manufacturing/assembly location prior to the shipment of the system to the project site. During the demonstration, the SSI shall coordinate with the Owner to make any programming/configuration changes to the system. These changes may include minor changes to the layout and text on the GUI screens, based on the operational requirements of the Owner.
* Installation and terminations of new equipment.
* Complete system testing upon completion of new system installation. During the testing of the new system, if any devices are in need of repair or replacement, the SSI shall alert the Owner of each device and provide a quote to repair/replace the device(s). It shall be the option of the Owner if they wish to accept the Bidder’s proposal or have the device(s) remain as-is.
* Training of operators and maintenance personnel on new systems. The SSI shall provide one 4-hour seminar to demonstrate operation of the systems and one 4-hour technical seminar to demonstrate configuration, troubleshooting, repair and maintenance of the system.
* A complete set of as-built documents shall be provided at the end of the project. A total of two hard copies in 3-ring binders and one electronic copy shall be provided. As-built documents shall include detailed drawings on system wiring, panel layouts, schedules of devices controlled and termination locations, PLC input and output schedules detailing what devices are connected to the input and output points, operations manual on touchscreen system and data-logging system, instruction manuals on digital video management system and card access system.
* Provide a text file containing all operator and administrator-level passwords for the GUI system, Data-Logging system, digital intercom system, access control system and DVMS. Provide PC recovery CDs, GUI runtime licenses, digital intercom system software CD, VMS software CD, and monitor driver CD.

The Owner shall be responsible for only the following;

* Any necessary painting of surfaces as the result of video system modifications.
* Removal of existing protective camera “cages”.
* Repair/replacement/modification of existing countertops/millwork.
* Repair and adjustment of any locks and/or door position switches
* Providing the SSI with a secure area where they can store tools and equipment for the project.
* Providing the SSI with escorts as necessary in offender-occupied areas.
* Temporary barriers as deemed necessary.
* All other items are the sole responsibility of the SSI.

**EQUIPMENT SPECIFICATIONS:**

**I. PLC and Door Control System**

All existing programmable logic control (PLC) equipment shall be removed and disposed of. The SSI shall provide a completely new PLC control system. No existing PLC equipment shall be re-used. The following new PLC equipment shall be provided;

* PLC processor to provide support for all graphical user interface (GUI) stations and other control panels encompassing the control system. PLC processor shall also support all input modules, output modules and communications modules in the PLC system.
* Non-volatile memory module for PLC processor unit.
* PLC power supplies as required.
* PLC input modules and output modules to support all existing field devices connected to the existing PLC control system. I/O modules shall be distributed and interconnected utilizing an ODVA Communications bus. The I/O modules shall have LED indicators that reflect the state of each input or output point. The I/O modules shall be capable of being replaced without the need to unwire field connections. SSI shall provide 5% spare capacity when determining number of PLC input and output modules.
* System shall include a complete IEEE 802.3 100/1000 BASE-T Local Area Network that interfaces the GUI control stations, PLCs, Audio Communications Control equipment, Access Control System equipment and the Digital Video Management System. Network shall be a closed network.
* All PLC equipment shall be manufactured by one company.
* Approved PLC manufacturers: Allen-Bradley and Omron. No substitutions shall be allowed. If SSI selects Allen-Bradley then the ControlLogix series PLC with CompactBlock LDX I/O shall be provided.

**II. Audio Communication and Recording System**

The SSI shall remove and dispose of all existing Dukane audio communication system head-end equipment. This shall include all remote intercom amplifiers, paging amplifiers, relay selection cards and all other ancillary equipment. The SSI shall provide and install a new Harding Instruments DXL-series digital intercom system head-end. All of the existing intercom stations and speakers shall be re-used and connected to the new DXL system. New Harding Instruments “touchscreen master modules” (TMMs) shall be provided at each GUI control station location. Each GUI station shall have its own independent talk-path. Each TMM shall include a flush-mount microphone, speaker and push-to-talk button. The SSI shall provide and install Harding Instruments “quick connect boards” to terminate all existing intercom stations and speakers. The SSI shall provide and install multi-conductor cables between the quick connect boards and digital communication controllers and digital communication expanders. All other necessary DXL system cabling and connectors shall be provided and installed. The SSI shall provide a digital interface between the DXL system and the PLC system.

The SSI shall provide and install an audio recording system to record the active audio conversations between connected GUI stations and intercom stations. The audio shall be recorded in a MP3 format to the data-logging server. Each active “conversation” shall have an associated audio file, which shall be accessible to play back via the data-logging server. The data-logger shall also include an export function to export the audio file to a folder on the server. Provide a recording rate of 80kbits/sec. Provide hard drive space sufficient to store 30 days-worth of audio recordings to data-logger.

* Approved digital audio communications system: Harding Instruments. No substitutions shall be allowed.

**III. Touch Screen Control System**

The SSI shall remove and dispose of the existing GUI control station in Central Control, Submaster Icom #1 panel and Submaster Icom #2 panel. The 4-door graphic pushbutton panel shall be re-used and incorporated into the system. At Central Control the SSI shall provide and install two new GUI control stations. Each station shall be programmed to operate independently of one another. The SSI shall provide and install one new GUI station at Intake. Each station shall consist of a Dell Optiplex-series 3020 PC loaded with Windows 7 Professional, 3GHz processor, 4GB memory, 16X DVD-ROM, 500GB hard drive, 2-piece speakers, mouse, keyboard, 22” ELO LCD touchscreen monitor, and Harding Instruments DXL touch screen master module for audio communications. The SSI shall also provide one fully-loaded spare GUI PC to remain in storage at the Jail until required. The spare GUI PC shall be loaded with all software applications for each GUI location in the system.

The SSI shall provide an “off-the-shelf” industrial software package that shall be custom-configured for each GUI station. The new GUI stations in Central Control shall incorporate all existing touchscreen system control/monitoring functions that the existing station includes. Each GUI station in Central Control shall be capable of taking over all functionality of the new GUI station in Intake. The new GUI station that is replacing the graphic control pushbutton panel in Intake shall be configured to control/monitor selected doors, cameras and intercom stations per the Owner’s direction.

Additionally, all new GUI stations shall be re-configured to provide a different camera call-up scheme than currently being utilized with the PLC serial interface to the analog matrix switcher. Video monitoring from each GUI shall be accomplished by selecting any VIDEO CAMERA ICON. Each Video Camera Icon represents a camera within the system. Each Icon shall include a text description of the camera. The icon shall display at least 8 characters. The orientation of the camera symbol shall be representative of the actual direction of the camera. Once selected, the icon will turn from gray to blue and the video image of the camera will be displayed live within an onscreen video display window. Two onscreen video displays shall be incorporated into each GUI. Each shall be capable of displaying at least 360 x 270 lines of resolution. One window shall be used for manual camera call-up and the other window shall be used for intercom follow. Selecting another camera icon shall cause its camera to become active and cancel the previous camera. When cancelled, the camera icon shall change from blue, back to gray. Each video display shall include a drop-down list of all the cameras in the digital video management system. For each video display, the operator shall be able to select a camera from the drop-down list and display it in the chosen video display. Once a camera is selected the video shall be displayed and a text description of the camera shall be displayed beside the drop-down window. The system shall be capable of displaying at least 24 characters. Each video display window shall include a “NO DEFAULT” button. Pressing this button will clear any active camera being displayed that was selected from the drop-down list. Pressing any Video Camera Icons (or an active intercom follow) will override any camera being displayed from the drop-down list.

All new and existing cameras being incorporated into the digital video management system (DVMS) shall be available for viewing on the new GUIs and camera icons shall be provided for all cameras in the system. The SSI shall provide an Ethernet-based interface between the GUI stations and the DVMS for video integration.

The GUI application(s) shall be developed using a non-proprietary industrial development suite designed for real-time connections to PLCs and other types of remote I/O devices. The development environment shall allow for the creation of animated operator interface screens utilizing an application tag database.

* The HMI shall allow for sophisticated scripting for customizing applications for specific needs.
* The HMI shall allow for Microsoft ActiveX controls and .NET controls integration.
* The HMI shall allow for resolution independent graphics and intelligent symbols.
* The HMI shall allow for template-based development of objects and graphics.
* The SSI shall provide the required quantity and size of runtime licenses to support all GUI stations in the system. Each GUI station shall be individually licensed.
* Approved GUI software manufacturers: Wonderware and Indusoft. No substitutions shall be allowed.

**IV. Data-logging System**

* + - * 1. All events that take place within the PLC and Electronic Security System shall be logged to a Data Logging server machine provided by the SSI. The HMI software installed on the GUI stations shall not be dependent on the data logging server and software. The loss of functionality of the data logging PC shall in no way affect the normal operation of the GUI software.
        2. The data logging system shall have the following features:

Record Device Events for the following field devices:

|  |  |
| --- | --- |
| a. Doors | f. Utility Control (Lighting, TV Receptacle) |
| b. Intercoms | g. Cameras |
| c. Paging Speakers | h. Misc. Alarms (Duress, UPS status, etc.) |
| d. Proximity Readers | i. Any other project-specific device |
| e. Touchscreen Status |  |

Record Control Point events for each GUI station. These events shall be visibly different from Device Events and display which control point and which user initiated the event. A control point shall consist of a GUI station.

The software shall allow the user to enter a credential, or 4-digit pin for each GUI station.

Event log shall be stored in a SQL database and be archived for retrieval.

The data logger shall provide the user the ability to display the previous 100, 50 or 25 events dynamically updating on the screen.

The data logger shall provide the user the ability to adjust the refresh rate for the events at a rate of 10 seconds, 30 seconds, 60 seconds or 5 minutes.

The user shall be able to filter the dynamic event display by device type.

The dynamic event display shall display columns for Control Point/User, Recorded Audio File, Timestamp (the date and time of the event), Device Name, Event Type, Device Description, Device Type, Area Name (location area name the specific device is grouped in).

The user shall be able to generate reports based on database queries for event names or time of occurrences. This report shall be displayed on screen and the user should be allowed to print the report.

Devices and their associated events shall have the ability to be grouped based on their respective locations in the building. (i.e. Cell Block A, B, C, Booking, etc)

The user shall have the ability of performing a search function that looks for keywords such as type of event, area of the building, or device names. The search function will replace the dynamic event view with the returned list based on the search criteria. The user can either choose to see the previous 100 events (based on the search criteria) or all events containing the keyword(s) searched.

Provide e-mail notification that includes the following functionality:

Manage rule definitions, that when evaluated as true, will send an e-mail.

Each rule can be based on any combination of LT Timestamp, Device Name, Event Name, Device Description, Device Type Name, Area Name, Control Point Name, Username, URL, and Note.

Rule start time and end time can be defined.

Rules can have custom messages attached to email alert.

Each rule can be based on device or control point events.

Each rule can be associated with one or more email addresses.

Each email can be associated with one or more rules.

System shall have the ability to send notification emails to a defined email server via SMTP.

System shall log notification events and the operator shall be able to view them through the Monitor client application.

Provide an audio playback feature that includes the following functionality:

Each active audio connection (conversation) between an intercom station and a GUI station shall be recorded to the data logging server as a single MP3 audio file.

In the dynamic event display, there shall be a column for a recorded audio conversation. If an audio file is associated with the intercom connect event, the system shall display a speaker symbol.

If the speaker icon is selected, a menu shall be displayed that shall allow the user the choice of pressing “PLAY” to play back the audio file directly on the server, pressing “STOP” to stop the playback, or pressing “EXPORT AUDIO” to export the audio file to a location on the server selected by the user.

On the menu screen, the Device Name, the Event Timestamp and the Control Point Name/User shall be displayed.

Provide sufficient hard drive space on the data logging server to store 30 days of audio files to the data-logging server hard drive(s).

**V. DATA LOGGING SERVER & MONITOR**

* + - * 1. Manufacturers:
      1. Dell
      2. HP
         1. Description: The Data Logging server shall record all events that take place within the Electronic Security automation system PLC and GUI. The basis for the specification is Dell. The server shall meet the following minimum specifications:

Processor: Intel® Xeon® E3-1220 3.10 GHz, 8M Cache, Turbo, Quad Core/4T

OS: Windows Server 2008 R2 SP1 (with 5 user CALs)

SQL Server 2012 Standard Edition

Memory: 8GB

Hard Drive: (2) 1TB 7200RPM SATA Drive (configured for RAID 1)

Internal Controller: PERC S100 (Embedded SATA software RAID)

Removable Media: DVD-RW drive

Integrated display video adaptor

Dell basic keyboard

Dell 2-button optical USB mouse

Dell 17” LCD monitor

Dell Laser printer, model B1260dn

**VI. ACCESS CONTROL**

* + - * 1. Approved access control system manufacturer: S2 Security. No substitutions shall be allowed.
        2. Description: The existing Hirsh access control system and scramblepad shall be removed and disposed of. The SSI shall provide and install a new IP-based access control system. The system shall include a solid state IP network appliance architecture. The hardware shall include an embedded software suite including a web server, ODBC-compliant database management system and embedded application software suite. All user operation shall be accomplished through a web browser only. Systems that utilize client-server architecture with separate software shall not be acceptable. The SSI shall connect the new system to the Owner’s LAN and coordinate with the Owner’s personnel for network configuration information. The new system shall meet the following requirements:

1. Bosch D8229 access keypad to replace Hirsch scramblepad.
2. Head-end must consist of the S2 Security Netbox-series supporting a minimum of two readers. Netbox shall include a controller board, network node board and access control application blade.
3. Provide a dry contact interface to the PLC system. Valid door open requests shall provide an access control system output to a PLC input for opening by the PLC control system.

**VII. DIGITAL VIDEO MANAGEMENT SYSTEM (DVMS) AND CAMERA WORK**

* + - * 1. Approved DVMS manufacturers: exacq Technologies, Genetec, Milestone Systems
        2. Description: The SSI shall remove and turn over to the Owner all existing head-end CCTV equipment including DVRs, video matrix switching system and multiplexers. The existing camera power supply system shall remain. The SSI shall provide and install a new DVMS head-end. The SSI shall be a current certified reseller/partner of one of the approved DVMS manufacturers. The system shall allow up to 48 existing analog cameras to be utilized. The DVMS head-end must meet the following requirements:

1. Provide sufficient quantity of video encoders to encode 48 analog cameras to MJPEG and H.264 streams. Encoders shall be capable of encoding at 30 frames per second per camera at a D1 resolution.
2. System shall include 24-port Gigabit POE switches. Switches shall support all IP cameras in the system, in addition to other devices included in the security network. Approved manufacturers: HP, Cisco.
3. The DVMS server(s) shall be provided with Windows 2008 R2 OS or Linux OS loaded on a solid-state drive system, minimum 8GB RAM, dual Gbps network interface cards and redundant (hot-swappable) power supplies. The server shall include an E3-1275 Xeon CPU, or better.
4. The DVMS shall be provided with 64TB of RAID 6 storage (56TB actual storage capability) and *capable* of 80TB of RAID 6 storage. Drives shall be enterprise-class drives, front-accessible and mounted in hot-swappable bays. This amount of storage shall be sufficient to provide 60 days of recorded video for all cameras in the system. Each camera shall be configured for maximum image resolution, 8 frames per second per camera, and assuming an overall motion activity level of 70%.
5. The DVMS shall be provided with all required camera IP licenses to support all IP cameras in the system. The DVMS software and camera licenses shall include software updates from the manufacturer at no cost for a period of three years.
6. The SSI shall provide and install 2 DVMS client PCs in Central Control. Each PC shall consist of a Dell Optiplex-series 9020 PC loaded with Windows 7 Professional, Core™ i5 3.2GHz processor, 8GB memory, 1GB video card to support two monitors, 8X DVD+/-RW, 500GB solid state hybrid drive, mouse and keyboard. Each PC shall include two 27” monitors (approved manufacturer: Viewsonic VX2703MH-LED). The new monitors shall be mounted on the countertop.
7. SSI shall remove and turn over to the Owner all existing CCTV monitors in Central Control.
   * + - 1. The SSI shall remove selected cameras (and turn over to Owner), relocate selected cameras and provide and install new cameras per the included camera schedule (entitled “TRI-COUNTY REGIONAL JAIL CAMERA SYSTEM WORK”). The SSI shall provide and install all required cabling, conduit/raceway, back boxes, junction boxes, mounts, etc. to support the cameras.
8. All new camera cabling shall be plenum-rated CAT5e cable.
9. For new analog camera locations, SSI shall provide and install video baluns at both the camera location and the head-end location.
10. For existing analog cameras being moved or relocated, the SSI shall provide plenum-rated RG59/U CCTV cable.
11. Approved IP camera system manufacturers: Axis and Arecont Vision
12. Approved analog camera system manufacturers: Bosch
13. Part numbers on camera schedule correspond to Axis, Arecont Vision and Bosch part numbers.
14. Provide Ethernet-over-coax extenders where shown on the schedules. Approved manufacturers: Comnet, Altronix.

**Equipment Requirements**:

In the event of manufacturer discontinuation, the Bidder shall substitute equipment with equal or better capabilities for the same or less cost than the discontinued equipment. **Any substitutions shall require a** **written change order and approval by the Owner**. The Bidder shall not substitute any equipment without the prior written approval of the Owner. The Owner shall be the final authority as to acceptability of requested substitutions and reserves the right to accept or reject any substitution requests. The Bidder shall be responsible for replacing any items received in damaged condition at no cost to the Owner. This includes all shipping costs for returning non-functional/damaged equipment to the Bidder for replacement. The warranties set forth will not be subject to any disclaimer or exclusion of warranties or to any limitation of Bidder’s liability under the Agreement. Bidder will provide a contact person available and authorized to remedy any non-conformity with these warranties.

**Requirements for Maintenance Support**:

Two-Year Warranty Period:

* Contractor shall provide specifics of their warranty coverage for parts and labor.
* Contractor shall identify their warranty period.
* The contractor shall bear all material and labor costs for repair of equipment and defects and failure accruing within the warranty period.
* The warranty period commences from the date of completion of acceptance by the Owner.
* Bidder warrants and represents to the Owner that software systems developed, distributed, installed or programmed by Bidder pursuant to this Agreement will operate consistently, predictably and accurately, without interruption or manual intervention, and in accordance with all requirements of the Agreement, including without limitation all specifications and/or functionality and performance requirements. Upon being notified in writing by the Owner of the failure of any *software systems* to comply with the Agreement, Bidder will, within sixty (60) days and at no cost to the Owner, replace or correct the software system(s) that does not comply with the Agreement.
* The warranties set forth will not be subject to any disclaimer or exclusion of warranties or to any limitation of Bidder’s liability under the Agreement. Bidder will provide a contact person available and authorized to remedy any non-conformity with these warranties.
* The Bidder shall have sufficient management and qualified manufacturer trained and certified technicians to service all products/software supplied under the agreement. The Bidder shall have a sufficient number of technicians to serve and support the requirements under this contract.