

## **4.0 SPECIAL CONDITIONS AND SPECIFICATIONS**

4.1 Authorization: By order of the Commissioners' Court of Collin County, Texas sealed bids will be received for Detention Center Camera and Monitor Upgrades.

4.2 Purpose: The intended use/purpose for this Invitation For Bid is to describe Detention Center Camera and Monitor Upgrades.

4.3 Pre-Bid Site-Walk: A mandatory pre-bid site-walk will be held at 1:00 PM on September 8, 2015 at the Collin County Justice Center Lobby, 4300 Community Ave., McKinney, TX 75071. All prospective bidders are requested to have a representative present. It is the bidder's responsibility to review the site and documents to gain a full understanding of the requirements of the bid. Once the pre-bid site-walk has begun, late arrivals will not be allowed to join. A sign in sheet will be provided at the meeting by the Purchasing Representative. This sign-in sheet will be the official record of attendance at the meeting.

4.4 Term: Provide for a contract commencing on the date of the award and continuing until the project is complete.

4.5 Funding: Funds for payment for Collin County expenditures have been provided through the Collin County budget approved by the Commissioners' Court for this fiscal year only. All other participating entities expenditures have been provided through their entity's governing body for this fiscal year only. State of Texas statutes prohibit any obligation of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that arise past the end of the current fiscal year shall be subject to budget approval.

4.6 Price Reduction: If during the life of the contract, the vendor's net prices to its customers for the same product(s) and/or services shall be reduced below the contracted price, it is understood and agreed that Collin County shall receive such price reduction.

4.7 Delivery/Completion/Response Time: Vendor shall state the number of calendar days to complete services at the County's designated location after receipt of purchase order in the space provided on the Signature Form.

4.8 Delivery/Setup/Installation Locations: Locations for delivery and installation are Collin County Justice Center, 4300 Community Ave., McKinney, TX 75071. Delivery, assembly, set-up and installation shall be included in the bid price.

4.9 Testing: Testing may be performed at the request of Collin County, by an agent so designated by the County, without expense to Collin County.

4.10 Samples/Demos: When requested, samples/demos shall be furnished to the County at no expense.

4.11 Warranties: If within one year after final acceptance of the work by Collin County, any of the work or material is found to be defective or not in accordance with the specifications of the contract, the contractor shall correct it promptly after receipt of a written notice from the County to do so. This obligation shall survive termination or completion of the contract. The County shall give such notice promptly after discovery of the condition.

The contractor shall remove from the site all portions of the work which are defective or nonconforming and which have not been corrected unless removal is waived in writing by the County.

4.12 Subcontractors: Bidder shall state names of all subcontractors and the type of work they will be performing on Attachment A. If a bidder fails to specify a subcontractor, then he shall be deemed to have agreed that he is fully qualified to perform the contract himself, and that he will fully perform the contract himself.

No bidder whose proposal is accepted shall (a) substitute any subcontractor, or (b) permit a subcontract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original proposal without approval in writing from the Collin County Purchasing Department.

The successful bidder further agrees that Collin County and its agents, servants and employees shall not be liable for any loss or damage resulting from personal injury, physical loss, harassment of or discrimination against employee or other violations of the provisions of this contract occasioned by the acts or omissions of the successful bidder's sub-contractors, their agents or employees. The indemnification provisions of this contract shall apply to all sub-contractors.

4.13 Bonds: In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00 and a Performance Bond if the contract is in excess of \$100,000. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56<sup>th</sup> Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

4.14 Wage Scale: In accordance with The Texas Government Code, Title 10, Chapter 2258, Prevailing Wage Rates, the general prevailing wage rate has been determined for this locality for the craft or type of workman needed to execute work of a similar character of the project listed herein. The Contractor shall pay the prevailing wage rate in this locality to all his/her employees and subcontractors performing work on this project, and in no event shall the Contractor pay less than the rate shown in the following schedule. Reference Attachment B for current prevailing wage rates.

#### 4.15 Project Requirements and Clarifications:

4.15.1 The camera system shall stay online with all functionality with no interruptions to normal security functions. When one camera is removed, that camera then must be immediately replaced in order to minimize down time recording and viewing.

4.15.2 Bidders are responsible for all field verification of actual site conditions, dimensions, type of cameras, mounts, power supplies, verify quantity and verify access requirements for the complete installation required in this scope. Equipment stated in this specification is provided for bidding purposes only and is not intended to be a project materials list. The contractor is responsible for verification of scope, labor, materials and equipment rentals prior to submitting a bid. The bid will have a mandatory site walk that will allow bidding contractors access to existing system.

4.15.3 Contractor shall have five (5) years minimum experience installing and programming Bosch surveillance equipment.

4.15.4 Contractor shall be licensed by the Texas Department of Public Safety as a security installer.

4.15.5 All screws, anchors, sealants and fasteners shall be detention grade to match the existing finishes.

4.15.6 Once awarded the contract, a mandatory background check performed by Collin County will be required for all persons who will work onsite.

4.15.7 A fulltime escort by a Facilities Technician or Detention Officer shall be required while contractor is working onsite.

4.15.8 Contractor is responsible for returning all removed equipment to owner by written transmittal. All equipment that is removed is the property of Collin County.

4.15.9 Collin County shall not be responsible for contractor equipment or personnel safety.

4.15.10 Contractor shall have the ability to respond onsite to warranty or service request within four (4) hours of the initial notification from the County.

4.15.11 Contractor shall be responsible for removing and hauling away all trash and removed materials daily. Contractor shall not use County dumpsters.

4.15.12 Bidder shall provide a schedule for the project with their bid.

4.15.13 All work shall be scheduled with the following time and day restrictions for the required escorts: Monday through Friday from 7:00 AM to 4:00 PM (With one hour mandatory lunch break). **No off hours work will be required for this project. All required work shall be completed during normal business hours.**

Collin County will be closed for holidays on the following dates: Thanksgiving-11/26/15 & 11/27/15; Christmas-12/24/15 & 12/25/15; New Years-1/1/16; Martin Luther King Day-1/18/16. No work shall be scheduled during these dates.

4.15.14 Onsite storage and office space will not be available to the Contractor.

4.15.15 Collin County employees shall not sign for or be responsible for material/equipment that is drop-shipped to the job site by the contractor.

4.15.16 Contractor shall provide a foreman level technician onsite during the course of this installation to ensure the equipment is being installed per the bid documents, installed to the manufactures requirements and to ensure quality control of the installation.

4.15.17 Contractor shall replace all ceiling tiles when replacing the wedge mount cameras. Collin County will provide the ceiling tiles.

4.15.18 Contractor is not required to remove existing cameras in sheetrock ceilings. Collin County will remove the cameras and patch the ceilings after the camera project. Contractor shall move camera to another location within two (2) feet of original camera.

4.15.19 No camera drawings are available to bidders for this project. CAD files and original construction plans will be available for viewing by the awarded contractor.

4.16 Scope and Specifications: This project consists of upgrading ~~sixty-seven (67)~~ **sixty-eight (68)** cameras and mounts, sixteen (16) monitors, installing ten (10) hard drives to existing DVR's and bringing camera images in Cluster 4 to Building Control. Contractor shall provide all labor, equipment, materials and supplies required to complete the project.

Bidder shall state the brand, complete part/model number and price each for equipment being bid for cameras, surge protection, monitors and DVR hard drives on Attachment C. Bidder shall state the total material price to complete the project on Bid Item One. Bidder shall state total labor price to complete the project on Bid Item Two.

4.16.1 Provide and install:

4.16.1.1 ~~Fifty-eight (58)~~ ~~Fifty-nine (59)~~ **Fifty-seven (57)** fixed dome cameras, interior and exterior, Bosch model VDN-5085 (high and low voltage);

4.16.1.2 ~~Five (5)~~ **Six (6)** PTZ cameras, exterior, Bosch model VG5-624-ECS (high voltage);

4.16.1.3 Two (2) PTZ cameras, interior, Bosch model VG5-623 (high voltage);

4.16.1.4 ~~One (1)~~ **Two (2)** PTZ camera, exterior, Bosch model VG5-624 (low voltage);

4.16.1.5 One (1) PTZ camera, interior, Bosch model VG5-623 (low voltage).

4.16.2 Reference Attachment E for camera specifications. Reference Attachment D for camera installation locations.

4.16.3 Provide and install Ditek DTK-iBNC series inline surge protection, or Collin County approved equal, on all exterior cameras. Reference Attachment F for specifications.

If bidder is requesting a substitution for any specified equipment, bidder shall submit specifications for equipment being bid as an equal for County approval no less than seven (7) days prior to bid opening to the following email address: [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us)

4.16.4 Provide and install nine (9) forty-two (42) inch, high-performance LCD monitors, Bosch ~~42RTC~~ **UML-423-90** or Collin County approved equal, including table mounts, power cables, all equipment, wiring and programming necessary to complete the installation. Install one monitor in each Cluster Control in Clusters 1, 3, 4 & 5 and five monitors in Building Control. All forty-two (42) inch monitors will need to display four (4) images in Cluster Control Rooms and sixteen (16) images per monitor in Building Control. **Monitors shall be desk top mounted using the desk stands that come with the monitors.**

If bidder is requesting a substitution for any specified equipment, bidder shall submit specifications for equipment being bid as an equal for County approval no less than seven (7) days prior to bid opening to the following email address: [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us)

4.16.5 Provide and install seven (7) twenty-seven (27) inch monitors, Bosch UML-273-90 LED or Collin County approved equal, including table mounts, power cables, all equipment, wiring and programming necessary to complete the installation. All twenty-seven (27) inch monitors will be used for spot monitor to display local cameras called up by keypads in Cluster Control Rooms. **Monitors shall be desk top mounted using the desk stands that come with the monitors.**

If bidder is requesting a substitution for any specified equipment, bidder shall submit specifications for equipment being bid as an equal for County approval no less than seven (7) days prior to bid opening to the following email address: [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us)

4.16.5.1 Cluster 1 Control and Cluster 3 Control have monitor wires that run back to the main security room where the head end equipment is located. Contractor shall tone and identify available wiring.

~~4.16.6 Provide all labor and materials required to bring the camera images from thirty two (32) cameras in Cluster 4 back to Building Control for viewing. Bidder shall attach to their bid a summary of work and a list of equipment that will be used to complete this requirement. (Existing fiber and power is available at Cluster Four Security Room and Building Control Security Room).~~

4.16.6 Cluster 4 equipment room (twenty four cameras total).

4.16.6.1 Install a new fiber cable between main equipment room and Cluster 4 equipment room. This wire shall be a six (6) fiber cable minimum to accommodate current and future needs.

4.16.6.2 There are currently twenty four (24) cameras that are connected to the matrix switcher as inputs and sixteen (16) outputs connected from the matrix switcher to the DVR. Reconnect cameras directly to DVR's and then loop them to the inputs on the matrix switcher.

4.16.6.3 Relocate DVR8 from the main equipment room to the Cluster 4 equipment room for connecting of eight (8) cameras that will not connect to the existing DVR in this room. Eight (8) spares will be used in the future.

4.16.6.3.1 Contractor shall provide programming time to reconfigure matrix, DVR's and touchscreen system affected by new consolidation.

4.16.6.4 Matrix switcher in Cluster 4 to become satellite to matrix in main equipment room by:

4.16.6.4.1 The sixteen (16) monitor outputs that are currently routed to the DVR in this room shall be routed to the Main equipment room via new fiber cable and fiber converters as required for trunk cables.

4.16.6.4.2 Add an LTC8569/60 code merger unit, or Collin County approved equal, and an LTC8786/60 RS232 to biphase data converter, or Collin County approved equal.

If bidder is requesting a substitution for any specified equipment, bidder shall submit specifications for equipment being bid as an equal for County approval no less than seven (7) days prior to bid opening to the following email address: [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us)

4.16.6.4.3 Route data cable from code merger in Cluster 4 to signal distribution unit in man control for PTZ control of Cluster 4 PTZ cameras from man control room.

4.16.7 Provide and install ten (10) three (3) TB hard drives, Bosch DVR-XS300-A, including all required equipment and wiring, to the existing DVRs; five (5) at Cluster 4 DVR and five (5) at Main Security Room.

4.16.8 Contractor shall provide one (1) hour of training for Facilities and SO Officers to ask technical users questions and time for advanced technical questions for programming and installation setup.

4.16.9 Produce and provide three (3) hard copies of all site drawings showing all system cameras, complete building floor plans showing all cameras and all equipment locations in eleven (11) inch by seventeen (17) inch format. Provide termination sheets with every termination on the camera system to include; camera number, camera type, camera inputs, matrix inputs and outputs and power supply outputs. Include two (2) thumb drives with all PDF format drawings and provide all the CAD drawing files of each.

#### 4.16.10 Main Equipment Room:

4.16.10.1 Rearrange all camera inputs so that all spares are at the end after all connected cameras. Rearrange camera connections on DVR's as instructed by the owner for proper grouping for viewing on the large monitors in main control.

4.16.10.2 Connect the sixteen (16) monitor outputs (trunk cables) from Cluster 4 matrix as inputs to main matrix for viewing of the Cluster 4 cameras through this satellite configuration.

4.16.10.3 Route a data cable from the signal distribution unit on the main matrix to the code merger being added to the Cluster 4 matrix for satellite control. This shall route over the new fiber cable to be installed. Provide fiber converters as necessary.

4.16.10.4 Relocate one (1) DVR to Cluster 4.

4.16.10.5 Connect the outputs from the seven (7) remaining DVR's to inputs on the matrix switcher for viewing of DVR output on large monitors in main control.

4.16.10.6 Change the DVR and Matrix programming as required to configure per the scope.

4.16.10.7 Configure the keyboard in main control that is currently connected to the Cluster 4 matrix to now be accessible to all cameras and monitors as required.

4.16.10.8 Contractor shall provide programming time to reconfigure matrix, DVR's and touchscreen system affected by new consolidation.

4.17 Liquidated Damages: Should the contractor fail to complete the project within the specified completion schedule the sum of \$175.00 per calendar day may be deducted from the monies due the contractor for the work. This sum shall not be considered as a penalty, but rather as reasonable liquidated damages, since it would be impracticable or extremely difficult to fix the actual damages. An extension of time may be allowed for delays beyond the control of the contractor at the discretion of Owner.