

## **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 IFB 2018-150.

4.2 Purpose: The intended use/purpose for this Invitation For Bid is to describe the requirements for New Camera Installation and Intercom System Upgrade at Collin County Detention Facility.

4.3 Mandatory Pre-Bid Site-Walk: Pre-bid site walks will be held by Collin County on Tuesday, March 13, 2018 at 2:00 PM and Wednesday, March 14, 2018 at 10:00 AM at the Collin County Detention Center Lobby, 4300 Community Ave., McKinney, TX 75071. It shall be mandatory that bidders attend a minimum of one (1) pre-bid site walk. All prospective bidders are requested to have a representative present at one site walk. 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 Attribute 2.

4.8 Delivery/Setup/Installation Locations: Locations for delivery and installation are Collin County Detention 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 Approximate Expenditure: The approximate expenditure by Collin County for this project is \$165,000.00. Estimated expenditure does not constitute an order, but only implies the probable quantity the County will use.

4.12 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.

If any materials or equipment utilized in this project are covered by a standard manufacturer's warranty greater than requirements specified herein, Contractor shall extend that coverage to Collin County.

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.

4.13 Subcontractors: Bidder shall state names of all subcontractors and the type of work they will be performing on Attribute 5. 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 bid 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 bid 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.

4.14 The Contractor shall post with Owner, not later than ten (10) consecutive calendar days of Collin County Commissioners' Court award of Contract, a Performance Bond in the amount of one hundred percent (100%) of the total contract price in such form as is satisfactory to Owner, in compliance with Chapter 2253 of the Texas Government Code and all other applicable Texas Law, and on the form specified in the Contract Documents. This bond shall be executed by a corporate surety company duly authorized and admitted

to do business in the State of Texas and licensed to issue such a bond in the State of Texas. The Contractor shall notify its corporate surety of any Contract changes.

4.15 The Contractor shall post with Owner, not later than ten (10) consecutive calendar days of Collin County Commissioners' Court award of Contract, a Payment Bond in the amount of one hundred percent (100%) of the total contract price in such form as is satisfactory to Owner, in compliance with Chapter 2253 of the Texas Government Code and all other applicable Texas Law, and on the form specified in the Contract Documents. This bond shall be executed by a corporate surety company duly authorized and admitted to do business in the State of Texas and licensed to issue such a bond in the State of Texas. The Contractor shall notify its corporate surety of any Contract changes.

4.16 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. Refer to Attachment A for current prevailing wage rates.

4.17 Execution of Contract: The person or persons, partnership, company, firm, association or corporation to whom a contract is awarded shall within ten (10) consecutive calendar days after such award, sign the necessary contract agreements and submit the required bonds entering into the required Contract with Owner. No contract shall be binding on Owner until it has been executed by Owner or his/her duly authorized representative, and delivered to the Contractor.

4.18 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.

4.19 Substitutions: No substitution will be considered unless written request has been submitted to Owner for approval at least seven (7) consecutive calendar days prior to the date for receipt of bids. Substitution requests shall be emailed to [jgriffin@co.collin.tx.us](mailto:jgriffin@co.collin.tx.us). If Owner approves a proposed substitution, such approval will be set forth in an Addendum.

4.19.1 Camera equipment shall be Bosch with no substitutions per approved County Construction Standards.

4.19.2 Intercom equipment shall be Tech Works with no substitutions per approved County Construction Standards.

4.20 Bid Documents: Contractor shall notify Collin County prior to bid if the bid documents are missing scope, incomplete or are contrary to actual site conditions.

#### 4.21 Project Requirements and Clarifications:

4.21.1 Bidders are responsible for field verification of site conditions, dimensions, wire pull distances, equipment terminations and verify access for this scope of work. Equipment stated in this specification is provided for bidding purposes only and is not intended to be a complete materials list. The contractor is responsible for verification of scope, labor, materials and manufactures installation recommendations prior to submitting a bid. The bid will have a mandatory site walk that allows bidding contractors access to existing system and perform site investigations.

4.21.2 Successful Bidder shall have five (5) years minimum experience installing and programming Bosch or equivalent surveillance installations.

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

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

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

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

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

4.21.8 Collin County Government is not responsible for contractor equipment or personnel safety.

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

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

4.21.11 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).

4.21.12 The camera and intercom systems shall stay online with all functionality and with no interruptions to security or daily building operations.

4.21.13 Contractor shall replace one (1) board at a time and then test functions before moving to the next board or area.

4.21.14 Contractor shall return all removed intercom equipment and transfer to Facilities stock by transmittal.

4.21.15 Contractor shall not have onsite storage or office space available.

4.21.16 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.

4.21.17 Collin County will provide all CAD files and termination spreadsheets for the Adult Detention Center installation(s) after bid award.

4.22 Scope: This project consists of installation of five (5) new fixed cameras on the existing surveillance system; two (2) new ceiling mounted dome cameras, three (3) corner mount cameras, one (1) new sixteen channel DVR with 16 TB storage, one (1) new sixteen port rack mounted power supply and replacement of all intercom headend equipment excluding the field wiring and field intercom stations. Successful Contractor shall provide all equipment, components, materials, parts and skilled labor required to complete installations. All components shall be new and unused; rebuilt or refurbished components will not be accepted.

4.23 New Camera Specifications:

4.23.1 Provide and install two (2) new Bosch Model VDN-5085 cameras with new wiring from the Main Security Room to the Jail Infirmary Waiting cameras. Refer to Attachment B for installation locations and equipment specifications.

4.23.2 Provide and install three (3) new Bosch Flexdome AN Corner 9000 cameras in the following locations;

4.23.2.1 Install one (1) corner mount camera in Cluster One Contact Visitation.

4.23.2.2 Install one (1) corner mount camera in Cluster Three Contact Visitation.

4.23.2.3 Install one (1) corner mount camera in Cluster Five Contact Visitation.

4.23.2.4 The new wiring for cameras will originate from the Main Security Room to the camera locations. Refer to Attachment C for installation locations and equipment specifications.

4.23.3 All five (5) new cameras shall be programmed into the building's surveillance system and integrated into the detention controls system through the existing American Dynamics matrix bay and Touchscreen Detention Controls Interface.

4.23.3.1 Collin County shall separately contract with the sole source provider, Argyle Security, for camera programming and integration.

4.23.4 Provide and install one (1) new Bosch ~~Divar 5000 (-16A100)~~ **DRH 5532-414N00 Hybrid 16 channel DVR recorder with** with four (4) TB ~~(Bosch DVR-XS400-A)~~ storage and one (1) new Altronix Power Supply (R2416ULCBi) or Collin County approved equal, including all required cables, connectors and network cabling to be installed in the Main Security Room. Refer to Attachment D for installation location and equipment specifications.

4.23.5 Contractor shall provide a high quality RG59 coax cable with the following minimum specifications for Cluster One, Cluster Three and Infirmiry cameras:

4.23.5.1 Inner conductor: Solid Copper (No copper clad steel)

4.23.5.2 Braid: 95%

4.23.5.3 Jacket: PVC

4.23.5.4 Provide the required connectors to connect to the Bosch cameras and DVR.

4.23.6 Contractor shall provide a high quality RG11/U coax cable with the following minimum specifications for Cluster Five camera:

4.23.6.1 Inner Conductor: Solid Copper (No copper clad steel)

4.23.6.2 Braid: 95%

4.23.6.3 Jacket: PVC

4.23.6.4 Provide the required connectors to connect to the Bosch cameras and DVR.

4.23.7 Below are the approximate distances for new cameras:

4.23.7.1 Cluster One: 350'

4.23.7.2 Cluster Three: 650'

4.23.7.3 Cluster Five: 950'

4.23.8 Contractor shall provide a back box, Part Number NDA-SMB-CMT Corner Mount Box, for the Bosch 9000 corner mount camera. This will allow the camera to be moved from the corner if necessary.

4.24 Intercom Upgrade Specifications:

4.24.1 Contractor shall demo the existing amplifiers and relays boards from the Adult Detention Center intercom system. Refer to Attachment E, Table 1, Columns: AMP, Boards, and Page Amp for equipment to be removed. Equipment listed under Columns: Intercoms and Spares shall remain in place.

4.24.2 Contractor shall provide and install the new equipment listed on Attachment E, Table 2 and all other accessories required per the manufactures installation requirements.

4.24.3 All wiring shall have identification labels that correspond with final as-built termination sheets.

4.24.4 Each relay board and amplifier shall be replaced with minimal down time or delays to the intercom functions and daily operations.

4.25 Training: Contractor shall provide one (1) hour of training for Facilities and Sheriff's Office Officers to ask technical users questions and time for advanced technical software and programming training.

4.26 Closeout:

4.26.1 Contractor shall provide two (2) bound hard copies in 3" HEAVY DUTY 11" X 17" 3" RING BLACK BINDERS (Office Depot Item # 1388845 or equal) of project as-built drawings showing all camera devices, complete building floor plans showing plotted cameras and show surveillance equipment locations in 11" X 17" format.

4.26.2 Provide termination sheets with all points on the surveillance system to include; camera number, camera type, camera inputs, matrix inputs/outputs and power supply outputs.

4.26.3 Provide as-built drawings for the intercom system to include intercom station numbers, headend equipment with locations with point terminations.

4.26.4 Include two (2) thumb drives with all PDF format drawings, CAD files and termination sheets in excel format.