



**Canadian County
Purchasing**

Addendum

Date Issued: April 01, 2019
Bid Number: **2019-#15**
Closing Date: May 3, 2019 at 4:00pm
PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036
Opening Date: May 6, 2019 at 9:30am
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ ADDENDUM~

Telecommunications System / Children's Justice Center

Please see the specifications for addendum number two (2) to the Telecommunications System.

Please see new opening and closing date / time for addendum number two (2) to the Telecommunications System.

New Closing Date of May 3, 2019 at 4:00pm.

New Opening Date of May 6, 2019 at 9:30am .

Specifications:

Please see attached specifications

Special Notation:

Brand names or specific detailed items are for informational purposes only and you may offer any brand that meets or exceeds the specifications.

For Information Contact:

Angel Colley, Director of Operations
Phone: (405) 264-5513
Hours: Monday – Friday 8:00am to 4:30pm
Address: 7905 E. Hwy 66, El Reno, OK 73036

If you have any questions or need additional information, please contact:

D'Shea Brothers, Purchasing Agent, 405.295.6125
dbrothers@okcana.cogov.net

1.1 Summary

1. This section includes the installation of a complete and fully operational IP or Digital Telephone System (PBX) for Canadian County Children's Justice Center, 7905 OK-66, El Reno, OK 73036
2. Provide a PBX system as herein specified including required outlet boxes, wiring, central equipment, telephones, and ancillary equipment, etc. all ready for operation. After completion, and prior to acceptance by the owner, the system shall be demonstrated to the owner in the presence of the architect. This demonstration shall include written operating instructions to the owner. All equipment and installation material required shall be furnished whether or not enumerated here.
3. Bidders are encouraged to schedule an onsite tour of the facility to ensure switch port capacities and quantities.

1.2 Submittals

1. General: Submit the following:
 1. Product data for each type of product specified
 2. Shop drawings detailing communication system
 3. Specification Sheets shall be submitted on all items including cable types showing color codes and connections for all field devices.
 4. Submit outline drawing of system control cabinet showing relative position of all major components.
 5. Submit wiring diagrams showing typical connections for all equipment.
 6. Submit a certificate of completion of installation and service training from the system manufacturer.
 7. Submit a working knowledge of *AT&T's IP Flexible Reach Fiber PRI* is a plus for successful bidder.
 8. Indicate that installation is complete and system performs according to specified requirements.

1.3 Quality Assurance

1. Engage an experienced installer who is a factory-authorized service representative to perform the work of this section. The Contractor shall provide to the Architect, within the submittal process, a current Dealer Agreement with proposed vendor. The Dealer Agreement must clearly state that said Contractor is currently authorized to provide sales and service of the specified system.
4. All items of equipment including wire and cable shall be designed by the manufacturer to function as a complete system and shall be accompanied by the manufacturer complete service notes and drawings detailing all interconnections.
3. The Contractor shall show satisfactory evidence, upon request, that he maintains a fully equipped service organization capable of furnishing adequate inspection and service to the system. The contractor shall maintain at his facility the necessary spare parts in the proper proportion as recommended by the manufacturer to maintain and service the equipment being supplied. The Contractor should provide a 5 year full warranty for 24/7 service and support and have at least two factory trained technical staff within an hour's drive of our facility.

1.4 Delivery, Storage, and Handling

1. Deliver products in factory containers. Store in clean, dry space in original containers. Protect products from fumes and construction traffic. Handle carefully to avoid damage.

1.5 QUALIFICATIONS

1. To establish continuity in manufacturer, systems components shall be the standard product of one manufacturer. Further, an effort shall be made to establish common sources for equipment of all systems. The manufacturer shall have a minimum of twenty-five (25) years experience in the manufacture of products specified in this Section.
2. The work to be provided under this Section consists of furnishing and installing all equipment, cabling, and labor required for complete, operable, system.
3. All conduit and power required for the electronic systems shall be supplied by the electrical contractor as a complete raceway system. Return air plenum cable shall be used as required. All plenum cable shall meet all applicable local and national codes.

1.6 ~~SUBSTITUTE EQUIPMENT~~

1. ~~Only the specified base bid systems manufacturer shall be considered. Equipment manufactured by other than those specified is not capable of providing the required networking of the system with other like systems already installed within Canadian County.~~

1.61 REGULATORY REQUIREMENTS

1. The entire installation shall comply with all applicable electrical and safety codes.
2. All equipment with digital apparatus (microprocessors) that generate and use timing signals at a rate in excess of 9,000 pulses per second to compute and operate must be Federal Communications Commission (FCC) and DOC CSA standards C108.8 (Electromagnetic Emissions) compliant. Any non-compliant equipment supplied or installed shall not be accepted and shall nullify the contract.
3. Systems shall be considered non-compliant unless they completely meet the criteria as outlined in paragraphs 1 and 2 above. All supporting documentation shall be included as part of the initial submittal package. **Letters regarding future approval or approval pending shall not be considered.**

1.7 Manufacturers

1. Equipment in these specifications has been taken from the catalogs of NEC, Avaya and other manufacturers, as shown, and is intended to denote a standard of quality and type required. ~~Other manufacturers may not be substituted.~~ All published specification sections, and shall have the same force and effect as if written herewith in full. In order to guarantee the owner of all factory warranties, all equipment shall be obtained from a local factory authorized vender/distributor for the job site geographic location. Vender shall be prepared to prove this, at the request of the engineer.
2. The intent is to establish a standard of quality, function and /or features. It is the responsibility of the bidder to insure that the proposed product meets or exceeds every standard function set forth in these specifications. System shall be capable of adding the additional features and capabilities at any time in the future ~~without changes to any installed equipment.~~

1.8 Telephone System

1. The telephone system shall be a premised based system of universal port digital telephone system or IP. The system shall provide capabilities of up to 1296 universal ports.
2. The systems shall be equipped for a minimum 10% spare station capacity. The systems shall accommodate DSS consoles, provide Data Ports, T1 Card capability, SIP Trunks. Systems must provide open architecture design and be compatible with TAPI.
3. The systems universal port design shall allow immediate resolution to changing communications requirements. For maximum reliability and cost-effectiveness, the system shall use either IP or digital architecture, ensuring non-obsolescence. System shall provide Voice and Data on the same network and support both packet and switching circuits. Systems shall be capable of being networked with other systems of the same type.
4. The system shall fully support IP Telephony. It shall be possible to connect any standard H.323 IP telephone to the system. When configured in this fashion the system shall provide a

10/100 ethernet connection port to interface. The system shall support IP-IP, IP-non IP, and non IP- non IP connections.

5. The system shall provide an open architecture interface to allow the connection of TAPI applications, CTI (Computer Telephone Integration)
6. The system software must be easily upgraded. The vendor will inform the owner when software enhancements become available and provide the owner with the costs associated with upgrading.
7. The system shall provide a means of storing the entire programmed database.
8. The system shall provide for remote access and programming. The system shall provide a wide range of data and voice features allowing individual sets to be customized to the specific needs of the user.
9. The system shall provide a means to limit or restrict access to outside calls and or long distance calls on a per station basis. The system shall also provide a means to automatically change a stations restriction level based on time of day/day of week.
10. The system shall provide at a minimum, (8) modes of operation, each operational mode shall be programmed to change the class of service, toll restriction level, and ringing option of each station. Incoming calls shall be routed to individual stations, or night bells, based on the active mode. It shall be possible to activate any mode from any telephone or automatically via the system clock.
11. The system shall support caller ID on all lines. The caller ID information shall be provided to all display telephones including analog phones (cordless). Information shall be provided during ringing and for the entire duration of the call, and also to a transferred station. Caller ID information shall be sent to the call reporting output.
12. The system shall provide a flexible numbering plan allowing extension numbers to be tailored to the owners needs.
13. The telephone system shall provide the following user programmable functions as a minimum:

Alphanumeric Display, Assigned Night Answer, Automated Attendant (Operator Assistance), Automated Call Distribution, Automatic Night Transfer, Automatic Ring down, Automatic Route Selection, Bridged Fax Line, Call Back/Busy/No Answer, Call Coverage, Call Forwarding, Call Waiting/Camp On, Caller ID, Classes of Service, Conference, Data Interface, Dial By Name, DID, DIL, DSS, Dual Color LEDs, Dual Line Appearance, E&M Trunks, Ethernet Interface, Flexible System Numbering, Ground Start Trunks, Group Call Pickup, Group Hunt, Hands free and Monitor, Hands free Answerback / Forced Intercom Ringing, Hold, Exclusive Hold, Intercom, Key set-Originated Data Call, Meet Me Paging, Meet Me Paging, Transfer, Message Waiting, NANP Compatible, Networking, Night Service, Open Architecture

Interface, OPX Capability, PC Interface Card, Port Based Architecture, Privacy (data), Selectable Ring Tones, Serial Call, SMDR, Synchronous Data (64K), TAPI/TSAPI Compatible, Terminal-Originated Data Call, Three 64K Channels to Each Extension, Toll Restriction, Universal Night Answer, Voice Mail Integration, Personal Identification Number (PIN), indication of call from any location to administrative display telephone showing persons name and room number.

14. Display Telephones shall be multi-button, digital hands free Speakerphone with Display. Provide a minimum of twelve programmable buttons with LED indication, and an additional 4 interactive keys, a three-line twenty-character display, built in headset jack, and a volume control to adjust ringing, handset, and speaker levels.
15. Answering Position Telephones shall be the same as the Display Telephones, this telephone shall provide a minimum of twenty-four programmable keys with LED indication. The telephone shall be equipped with a 60 button DSS console.
16. The system must fully support 911 service. All telephones must be programmed so that the user can simply lift the handset and dial 911. No additional access codes shall be required. Upon dialing 911 the call shall immediately connect to the Communication Center. In addition, selected telephones shall sound an alarm and the display shall indicate the source of the 911 call.

1.9 NETWORKING

1. The system shall provide a means of networking multiple systems to provide a single uniform dialing plan , the networking capability must provide for feature transparency between systems. The system must provide for multiple network transmission types. IE: fiber, twisted pair, T-1, etc. The system shall be capable of networking a minimum of (24) twenty-four systems. In addition to the network configurations listed the system shall provide IP networking.
2. In a network environment, the systems must provide for individual survivor ability, IE: If the transmission media or any individual system malfunctions it shall not affect other systems.
3. The uniform dialing plan shall provide the ability to reach any phone within the building by simply dialing the extension number assigned to the particular phone.
4. Internal calls across the network shall include calling party number and name in the display of the called telephone. In addition, the ANI originating from the PRI circuit shall be passed to any display telephone within the network, and to the Voice Mail System.
5. A transferred call across the network shall return to the original transferring telephone regardless of the number of sites the call passes thru. This feature shall be available to a busy or no answer transferred call.
6. The system shall provide the following network features at a minimum:

PBX

1. Automatic Route Selection, Calling Party (name and number) Display, Call Forwarding, Caller ID/ANI, Conference, DID, DISA, DSS Console Appearances, Hands free Answer back/ Forced Intercom Ringing, Hold, Hold Pickup, Message Waiting, Multiple Night Modes, Off Hook Signaling, Paging (internal and external), Toll Restriction, Transfer Information Display, Transfer Recall.

VOICE MAIL

1. Call Forward to Individual Mailbox, Single Step Voice Mail Access, Message Waiting Lamps, Message Center Keys, Transfer to Voice Mail, Conversation Record (with beep), Answering Machine Emulation, Multiple Mailbox Keys (assigned to one telephone with lamping), Voice Mail Overflow, Voice Mail to email.
 2. The system shall provide Look Ahead Routing for all calls, a call shall never use more than one transmission path between systems.
 3. The Voice Mail System shall provide integrated status monitor function. Status Monitor allows the Voice Mail access to the busy, idle, do not disturb status of each extension at all times.
 4. The system shall provide the capability to transfer a caller directly into an individuals mailbox without ringing the telephone.
8. Provide all required equipment to provide complete and operating systems.

Telephone Sets can be bid as you choose, but our preference is for:

1. 34-Button Display Telephone

The 32-Button Display Telephone shall have a 8 programmable self labeling 4 page, twenty-character display with four interactive soft keys for intuitive feature access.

The 32-Button Display Telephone has a built in speakerphone and can accept snap-in modules. Unit shall also connect DSS Consoles. The 32-Button Display provides Hands free Answer back, Intercom voice-announcements and has a built-in Wall/Desk Stand.

2. 24-Button Display Telephone

The 24-Button Display Telephone features a three-line, twenty- character display with four interactive soft keys for intuitive feature access, with LEDs. The function keys are user-programmable and can provide one-button access to co-workers, features and outside lines. The telephone additionally provides 10 user-programmable

3. Direct Station Selection (DSS) Console

The DSS Console gives a key set additional programmable keys which provide a Busy Lamp Field (BLF) and one-button access to extensions, trunks and system features. The 110-Button DSS Console provides an additional 60 programmable keys. The 60-Button DSS also has 10 fixed feature keys for Paging, calling Door Boxes, activating Night Service and enabling DSS Console Alternate Answer..

4. Door Box

The Door Box shall be a self-contained Intercom unit located at main entrance doors as shown on plans. When a visitor at the door presses the Door Box call button, the system sends chime tones to all extensions programmed to receive them. In addition to allowing conversation with visitors at the door, the Door Box also allows remote control of an electric door strike (Furnished by others).

1.2 Voice Processing System

1. The system shall be a server based Voice Processing System. The system shall serve as the Centralized Voice Mail System. The system shall provide the following functions,
Voice Mail
Automated Attendant
Desktop Messaging with Microsoft Outlook® integration

B. Digital Voice Storage shall be utilized.

C. The system shall be equipped with remote maintenance and programming. Additionally, the system shall be configured to allow the Telephone System and Voice Mail Database to be rearranged in a single session.

D. The system shall provide multilingual voice prompts. Initially the system shall be equipped with English, Spanish, and French.

E. Voice Mail Features

1) The system shall support the following mailbox types: subscriber, guest, announcement, distribution, and message center.

2) The subscriber mailbox shall provide the following at a minimum: 1000 message storage, password protection, multiple personal greeting, notification to outside locations (minimum of three (3) per mailbox), message save, erase, forward, time and date stamp.

3) The system shall provide a minimum of 100 distribution mailboxes.

F. Auto Attendant Features

1) The system shall be capable of providing a separate greeting to each individual CO trunk, based on time of day, day of week, - i.e. morning, afternoon, closed, holiday, weekend.

2) The system shall provide single digit menu options to callers.

3) The system shall provide the following options to callers who direct dial to an extension and encounter a busy or don't answer situation: leave a message, dial another extension, reach the operator, camp on to busy extension, have the person paged.

4) The system administrator shall be capable of inserting an override message remotely in case of an emergency.

5) The system shall provide callers with easy access to informational services.

G. Integration Features

1) The Voice Mail shall provide all the following indications on the individuals telephone that there are new messages.

A. A flashing message light on administrative phones.

B. Stutter dial tone on single line telephones.

C. Display telephones shall provide a numerical message count.

2) Administrative telephones shall be programmed with a one-touch voice mail key. Activation of the key will directly log user on to their mailbox.

3) System shall provide for automatic routing of busy/don't answer calls to the individual's mailbox.

4) Administrative telephone users shall have access to a one touch forward key. Activation of key will forward all calls to their Voice Mail Box.

5) Personal answering machine emulation shall be available to all administrative telephones. Activation of this feature will allow users to screen callers leaving a message (like a home answering machine). User may lift handset to join call.

6) System shall provide a means of recording an intercom or outside trunk call. Individual user will depress a 'record' key, the system will record the entire conversation in the individual's mailbox. The Voice Mail must provide a recording beep and voice prompt at regular intervals to inform caller conversation is being recorded.

7) It shall be possible to assign multiple mailboxes to an individual's telephone. Message Waiting and one touch mailbox access shall be provided on a separate key on the telephone set. The only limit to this feature is the number of programmable keys available at the station set.

8) The Voice Mail System shall provide integrated status monitor function. Status Monitor allows the Voice Mail access to the busy, idle, do not disturb status of each extension at all times.

9) The system shall provide the capability to transfer a caller directly into an individuals mailbox without ringing the telephone.

VOICE PROCESSING SYSTEM CONFIGURATION

System shall be configured as follows:

- 1) 16 - Voice Mail/Auto Attendant Ports
- 2) 1500 - Hours of storage
- 3) 1 - Remote maintenance package
- 4) Voice Mail to E-Mail notification

1.21 Installation

1. Wiring Methods: Install wiring in raceway except within consoles. Conceal wiring except in unfinished spaces.
2. Control Circuit Wiring: Install control circuits in accordance with NFPA 70 and as indicated. Provide number of conductors as recommended by system manufacturer to provide control functions indicated or specified.

1.22 Grounding

1. Provide equipment-grounding connections for intercommunications systems as indicated. Tighten connections to comply with tightening torques specified in UL 486A to assure permanent and effective grounds.
2. Ground equipment, conductor, and cable shields to eliminate shock hazard and to minimize to the greatest extent possible, ground loops, common mode returns, noise pickup, cross talk,

and other impairments. Provide 5-ohm ground at main equipment location. Measure, record, and report ground resistance.

1.23 Wiring Information

1. Wiring runs for new installation shall be installed with good wiring installation practices. Switches, connectors, jacks, receptacles, conduit, outlets, cable and cable termination shall be clearly, logically and permanently marked.
2. Cables shall be neatly grouped and bundled to provide a workmanlike appearance.
3. Furnish and install all necessary boxes, conduits, raceways, cable and other accessories and auxiliary equipment.
4. In addition to the above, all equipment shall be grounded in accordance with NEC regulations.
5. Verify all wiring, conduit, box requirements with system supplier prior to installation.
6. Certain inherent characteristics of the system require special attention during all phases of the installation. Install all system components and associated wiring per the instructions of the manufacturer or his authorized distributor recommendations. All conductors and wiring must be sufficiently isolated from the magnetic field produced by alternating current, or any current produced by any other unrelated wiring that would interfere with the performance of the system. Codes and conditions may require changes to the cabling system. Per article 760 of the National Electric Code, provide an earth ground connection, preferably a #6 copper, independent of the third wire of the electrical circuit. This #6 copper conductor should be run from the main control for the system, to the earth ground, at the electric entrance to the building.

1.24 Field Quality Control

1. Provide services of a factory authorized service representative to supervise the field assembly and connection of components and the pre-testing, testing, and adjustment of the system.
2. Upon completing installation of the system, align, adjust, and balance the system and perform complete pre-testing. Determine, through pre-testing, the conformance of the system to the requirements of the Drawings and Specifications. Correct deficiencies observed in pre-testing. Replace malfunctioning or damaged items with new and retest until satisfactory performance and conditions are achieved.
3. Upon completion of pre-testing, notify the County a minimum of 10 days in advance, of acceptance test performance schedule and conduct tests in his presence. Provide a written record of test results.
4. Perform an operational system test to verify conformance of system to these specifications.

1.25 Inspection

1. Make observations to verify that units and controls are properly labeled, and interconnecting wires and terminals are identified

1.26 Retesting

1. Rectify deficiencies indicated by tests and completely retest work affected by such deficiencies at contractor=s expense. Verify by the system test that the total system meets the specifications and complies with applicable standards.

1.27 Commissioning

1. Train owners maintenance personnel in the procedures and schedules involved in operating, troubleshooting, servicing and preventative maintenance of the system. Provide a minimum of sixteen hours training. Set-up in two eight hour sessions.
2. Schedule training with owner through the architect, with at least seven days advance notice.

1.28 Cleaning and Protection

1. Prior to final acceptance, clean system components and protect from damage and deterioration.

1.29 Demonstration

1. All systems shall be demonstrated to be in proper operating condition prior to final acceptance. The tests shall be performed in the presence of the architect and owner. Furnish three (3) complete sets of manuals for all systems. A listing of all programmable settings shall be included.
 1. Installation Information
 - a. The drawings show general locations of equipment. Approval of the Architect shall be secured during the installation where question is in order.

1.30 Guarantee

1. The contractor shall provide a one-year guarantee of the installed system against defects in material and workmanship. All labor and materials shall be provided at no expense to the owner. Guarantee period shall begin on the first date of beneficial use by the owner following the date of final acceptance by the owner. A maintenance contract offering continuing factory authorized service of this system shall be presented to the owner prior to final acceptance of the system by the owner. Systems shall carry an additional (4) FOUR-YEAR MANUFACTURES WARRANTY ON ALL ELECTRONIC EQUIPMENT, for a total of 5 YEAR MANUFACTURES WARRANTY.



Canadian County
Purchasing

Affidavit / Proof of Mailing

Date Issued: April 01, 2019

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~ AFFIDAVIT ~

Telecommunications System / Children's Justice Center

State of Oklahoma)
County of Canadian) §

I, D'Shea Brothers, Purchasing Agent, in and for said County and State, do hereby certify that "Addendum #2" was sent to the following:

Acoustic Designs, Inc
612 Okie Ridge Road
Yukon, OK 73099

Alinec Technologies
Attn: Daniel Venson
9442 N Capital of Texas Hwy Ste 1-500
Austin, TX 78759-7257

Bid Clerk
govbids@bidclerk.com

Bid News
project@bidnews.com

BMI + Image Net
Attn: Brian Womack
913 North Broadway
Oklahoma City, OK 73112

Chickasaw Telecom Inc
Attn: Jeff Downey
5 N McCormick Street
Oklahoma City, OK 73127

Continental Wireless Inc
Attn: Rita Weber
10455 Vista Park Road
Dallas, TX 75238

Cnet Security and Cable Inc
Attn: Derek Shaw
143 N Cedar Branch Way, Suite 101
Mustang, OK 73064

DCI Communications Inc.
Attn: Paige Sampong
1377 N. 108th E. Ave.
Tulsa, OK 74116

Dimensional Concepts
PO Box 1838
Stillwater, OK 74076

Eales Electronics Corp
PO Box 721140
Oklahoma City, OK 73172-1140

Elite Innovative Technology LLC
PO Box 734
Mustang, OK 73064

ePlan
1400 Forum Blvd, Suite 7B
Columbia, MO 65203

Florida Micro LLC
11550 Common Oaks Drive, Suite 108
Raleigh, NC 27614

Francis Tuttle Vo-Tech Center
Attn: Bid Assistance – Judy Robbins
12777 N Rockwell
Oklahoma City, OK 73142

Global Government
US-36
Fletcher, OH 45326

Hi Tech Security Solutions
608 Pala Verde Court
Yukon, OK 73099

Hi Tech Security Solutions
Attn: Ray Dunn
PO Box 53874
Lubbock, TX 79453

Howard Technology Solution
Attn: Shonda Russell, TX/OK Acct Rep
PO Box 1590
Laurel, MS 39441

Insight Public Sector Inc
6820 S Harl Avenue
Tempe, AZ 85283

My Computer Bytes
Attn: Bill
PO Box 850957
Yukon, OK 73099

Nobel Systems
Attn: Tom Henson
3013 NW 59th Street
Oklahoma City, OK 73112

Online Data Services
5425 Peachtree Parkway
Peachtree Corners, GA 30092

Orion Security Solutions
12330 St Andrews Drive
Oklahoma City, OK 73120

Patriot Technologies Inc
Attn: Kim Hunter
5108 Pegasus Ct., Suite F
Frederick, MD 21704

Peak Uptime
Attn: Terry Siemens
823 S Detroit Street, Suite 200
Tulsa, OK 74120-4223

Plante & Morgan PLLC
27400 NW Highway
PO Box 307
Southfield, MI 48037-0307

Primus Electronics Corporation
Attn: Dana Cronin
4180 E Sand Ridge Road
Morris, IL 60150

RK Black
4111 Perimeter Center Place
Oklahoma City, OK 73112

Symmetry Networks
Attn: Rocky Brown
2501 NW 180th Street
Edmond, OK 73012

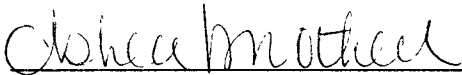
SecureNet Inc
Attn: John Brothers
1117 Cornell Parkway
Oklahoma City, OK 73108

Security Solutions USA
1640 W Hwy 152
Mustang, OK 73064

Signature Technology Group
Attn: Jared Brimhall
2424 W Desert Cove Avenue
Phoenix, AZ 85029

Sawatski
rsawatski@yahoo.com

Witness my hand and seal this 25th day of April, 2019.



D'Shea Brothers, Purchasing Agent

