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ADMINISTRATION / CHICKASAW & CHOCTAW TOWER / NORTH HALL / RUSSELL

DATA INFRASTRUCTURE

PROJECT NO. 20-21-06

September 20, 2021

**Bids that do not include all of the requested information and documents will be disqualified.**

**Southeastern Oklahoma State University reserves the right to reject any and all bids.**

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DATA INFRASTRUCTURE

PROJECT NO. 20-21-06

INVITATION TO BID

, 2021

Dear Contractors:

We invite you to submit a bid for installation and demo of network infrastructure on the Administration, Chickasaw, Choctaw, North Hall, and Russell buildings located on the Durant Campus at 425 West University. These bids will have specific needs in each area and will be identified during the required site visit.

SITE VISIT IS REQUIRED: Initial group site visit scheduled for **September 29, 2021, 10:00am CST**

Contact Wayne Williamson 580-745-2100 (Office) or 580-920-3600 (Cell) for all questions concerning the project.

If group site visit can’t be made, contact Wayne Williamson to schedule a make up visit.

References may be required upon request.

Bids are due by 2:00 pm CDT, October 14, 2021, to Southeastern Oklahoma State University with the following delivery instructions:

FedEx: Southeastern Oklahoma State University

Administrative Services

425 University Blvd.

Durant, OK 74701-3347

Hand Delivered: Southeastern Oklahoma State University

Administrative Services

Backside of Occupational Safety and Health Building

Durant, OK 74701

Mail: Southeastern Oklahoma State University

Administrative Services

425 University Blvd.

Durant, OK 74701-3347

**BIDS SHALL BE SEALED IN A SOLID WHITE OR VANILLA ENVELOPE, LABELED “ADMINISTRATION / CHICKASAW & CHOCTAW TOWER / NORTH HALL / RUSSELL DATA INFRASTRUCTURE PROJECT NO. 20-21-06”. BIDS SHALL BE OPENED AND RECORDED IMMEDIATELY THEREAFTER. ANY BID RECEIVED AFTER THE TIME SET FOR OPENING OF BIDS, SHALL NOT BE CONSIDERED. SOUTHEASTERN OKLAHOMA STATE UNIVERSITY RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.**

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ADMINISTRATION / CHICKASAW & CHOCTAW TOWER / NORTH HALL / RUSSELL

DATA INFRASTRUCTURE

PROJECT NO. 20-21-06

BID FORM

NAME OF BIDDER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In submitting this Bid, BIDDER, represents that:

1. BIDDER has examined copies of all Bid documents and has familiarized himself/herself with the nature and extent of scope of work and all local conditions and Laws and Regulations that in any manner may affect cost, progress, and performance of completing the scope of work as stated.
2. BIDDER has executed and included the Bid Affidavit – Non-Collusion Document.
3. SUCCESSFUL BIDDER will provide proof of public liability and workers’ compensation insurance.

BASE BID:

Dollars Per Unit

* Administration Install $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Demo $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Chickasaw Tower Install $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Demo $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Choctaw Tower Install $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Demo $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* North Hall Install $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Demo $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Russell Install $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Demo $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Total Dollars ($\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Start date of project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Completion date of project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Submitted on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2021, by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Business Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Business Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Business E-mail \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bids that do not include all of the requested information and documents will be disqualified.**

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DATA INFRASTRUCTURE

PROJECT NO. 20-21-06

BID AFFIDAVIT – (NON-COLLUSION)

STATE OF OKLAHOMA

COUNTY OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Affiant, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of lawful, being first duly sworn, on oath says that (s)he is duly authorized agent of the Bidder to submit the attached Bid. Affiant further states the Bidder has not been a party to any collusion among Bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding, or with any elected official, or party to the project, or employee of the OWNER as to quantity, quality or price in the prospective contract, or any other terms of such perspective contract, or in any discussions between Bidders and any elected official, officer or employee of the OWNER concerning exchange of money or other thing of valued for special consideration in letting of a contract.

Contractor’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Official: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NOTARY

State of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

County of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, of lawful age, being first duly sworn on oath says that (s)he is the agent authorized by the CONSTRACTOR to execute the above affidavit.

Subscribed and sworn to before me this \_\_\_\_\_\_\_day of­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2021.

**Bids that do not include all of the requested information and documents will be disqualified.**

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ADMINISTRATION / CHICKASAW & CHOCTAW TOWER / NORTH HALL / RUSSELL

DATA INFRASTRUCTURE

PROJECT NO. 20-21-06

SCOPE OF WORK / PROJECT SPECIFICATIONS

Southeastern Oklahoma State University, located in Durant, Oklahoma, is soliciting bids for a complete end-to-end and fully functional data infrastructure for our Administration, Chickasaw, Choctaw, North Hall, and Russell buildings on our main campus in Durant, Oklahoma to be completed by March 31, 2022. This bid must also include the complete demo and removal of the old infrastructure. The execution of all work to satisfy the requirements specified in the Scope of Work must be done in a manner which minimally impacts day-to-day business, educational, and residential functions of the University. Network switches, phone systems, wireless access points, and end point devices are not to be considered as part of the data infrastructure. All hardware, racks, patch panels, patch cords, and supplies are to be provided, installed, and tested, to be made fully operational by the successful vendor. ***Test results must be supplied for each building individually before final inspection of completion.***

The infrastructure must be matching CommScope / SYSTIMAX materials and equipment throughout, to maintain a uniform environment. CommScope / SYSTIMAX products must be purchased from an authorized distributor. If there is a product that needs to come from another manufacturer, it must be approved by SE technical personnel before installation.

All infrastructure must conform to the International Telecommunications Union-Telecommunications Standards Sector recommended signaling format for BICISI EIA / TIA 568-B Standards and Best Practices as well as all Standards imposed by state, local, and federal governments. Methodologies outlined in the latest edition of the BICSI *Telecommunications Distribution Methods Manual* shall also be used during all installation activities. Should conflicts exist with the foregoing, the authority having jurisdiction for enforcement will have responsibility for making interpretation. CommScope / SYSTIMAX and/or BISCII certified personnel must be employed and present during installation and all critical phases. ***Proof of this certification must be submitted with bid.***

Each building network must meet CommScope / SYSTIMAX’s installation requirements and receive the warranty by CommScope / SYSTIMAX. ***The CommScope / SYSTIMAX warranty certificate is required before final acceptance of completion on each building.***

Drop count, drop location, and configuration are subject to change. After a solution has been agreed upon by SE and the vendor, an addendum can be written if there are cost effects outside of the standard drop rate.

A third-party contractor, if hired, must be approved by a SE official prior to hire.

Building Layouts can be found at the following link –

<https://se4-my.sharepoint.com/:f:/g/personal/aharman_se_edu/EjUrVJ3xTyFKhiMYqTklu5IBTzcdsrGHtEmiqQSQR6yPNw?e=ISgLdU>

**Administration**

* 273 total network runs (See maps below for details.)
  + 150 surface mount conduit runs
  + 49 above ceiling
  + 59 in wall
  + 15 spares
* The main distribution frame (MDF) / Data Center will be used as the network closet.
  + Administration 102

**Chickasaw Tower**

* 226 total network runs (See maps below for details.)
  + 211 surface mount conduit runs
  + 15 spares
* Chickasaw 407 will be used as the IDF for all network runs.
* Chickasaw 302 and 702 will be demoed.

**Choctaw Tower**

* 226 total network runs (See maps below for details.)
  + 211 surface mount conduit runs
  + 15 spares
* Choctaw 407 will be used as the IDF for all network runs.
* Choctaw 302 and 702 will be demoed.

**North Hall**

* 130 total network runs (See maps below for details.)
  + 115surface mount conduit runs
  + 15 spares
* North Hall 306 will be used as the IDF for all network runs.
* North Hall entry closet on the SW of the 1st floor will be demoed.

**Russell**

* 211 total network runs (See maps below for details.)
  + 43 above ceiling
  + 153 in wall
  + 15 spares
* The main distribution frame (MDF) / Data Center will be used as the network closet.
  + Russell IDF between 115 and 116; and 310 will be used for network runs.
  + Russell 107 will be demoed

**Applies to all buildings**

* Category 6A wire will be blue for communications drops from panel to jack.
* Patch cords for intermediate distribution frame (IDF) will be blue.
* Patch cords for end user stations will be gray.
* All wiring must be plenum rated wire.
* All data racks must be 19 inches in width.
* Category 6A data jacks must be used to terminate at data drop locations.
* Data jacks will be of the same color throughout the project. Red is SE’s standard end user color but will work with vendor if supplies are limited.
* Metal raceway and surface mount boxes must be used when necessary.
* All raceways and boxes for jacks will be screwed to the wall.
* A ladder rack system will be installed in the IDF, which will include proper elevation kits and waterfalls.
* All cabling and wiring must be attached together (Velcro, no zip ties) and suspended above all ceilings and must meet CommScope / SYSTIMAX’s requirements for suspended cable/wire.
* Patch panels and wall plates must be angled for minimizing bend radius of patch cords.
* All patch panels and user end jacks will be labeled with a labeling scheme approved by SE technical personnel and will be created by a mechanical device, not handwritten. It must be attached in the manufacturer’s recommended fashion.
* Any additional materials and/or hardware needed to install a modern network infrastructure must be provided by the vendor.
* Category 6A patch cords will be provided for the total number of drop locations for users and switch ends specified.
* Testing required will be both channel link and permanent link, with a printed and digital copy provided before final inspection.
* All fiber terminations will be LC connectors, if any.
* Correct and proper grounding must meet all codes and network installation guidelines.

**Additional Pricing**

The vendor must quote and attach to the bid packet a flat rate price for additional drops that may be needed during and after installation. The vendor must quote their hourly rate for additional installation and maintenance services that are not covered by the warranty. These prices must be firm for one year after the proposal opening. These prices will not be used as part of the cost component in the “Bid Form” above.

Warranty Information:

*Materials and workmanship hereinafter specified and furnished shall be fully guaranteed by The Vendor for the length of the CommScope / SYSTIMAX certification, from transfer of title against any defects. The Vendor shall correct defects that may occur as the result of faulty materials or workmanship for the length of the certification at no additional cost to The Customer. The Vendor shall promptly, at no cost to The Customer, correct or re-perform (including modifications or additions as necessary) any nonconforming or defective work within the length of certification after completion of the project of which the work is a part. The period of The Vendor’s warranty(ies) for any items herein are not exclusive remedies, and The Customer has recourse to any warranties of additional scope given by The Vendor to The Customer and all other remedies available at law or in equity. The Vendor’s warranties shall commence with acceptance of/or payment for the work in full.*

*If The Vendor procures equipment or materials, The Vendor shall obtain for the benefit of The Customer equipment and materials warranties against defects in materials and workmanship to the extent such warranties are reasonably obtainable.*

*The Vendor shall pass along to The Customer any additional warranties offered by the manufacturers, at no additional costs to the customer, should said warranties extend beyond the length of certification period specified.*

*This warranty shall in no manner cover equipment that has been damaged or rendered unserviceable due to negligence, misuse, acts of vandalism, or tampering by the customer or anyone other than employees or agents of The Vendor. The Vendor’s obligation under its warranty is limited to the cost of repair of the warranted item or replacement thereof, at The Vendor’s option. Insurance covering said equipment from damage or loss is to be borne by The Vendor until full acceptance of equipment and services.*

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