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## Statement of Work

Date	6/16/2021
Client	Cherokee Nation Businesses (CNB)
Job Name	Vinita Cultural Development Center

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### Summary

Cherokee Nation Businesses, LLC, (CNB), a wholly owned tribal company of the Cherokee Nation is seeking qualified bids for a turnkey process to pull, install and test/certify data cables. This will include installation of 1 (one) comm rack, ladder (if needed), wire management, and patch panels in IDF. The location of the center is 945 E. Illinois Avenue, Vinita, OK, 74301. The approximate start date for this project is July 2021.

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### Standards

In general, the following standards at a minimum shall be observed for telecommunications infrastructure and are incorporated herein by reference:

- ANSI/TIA/EIA - 568-B.1, Commercial Building Telecommunications Cabling Standard Part 1: General Requirements, April, 2001
- ANSI/TIA/EIA - 568-B.2, Commercial Building Telecommunications Cabling Standard Part 2: Balanced Twisted-Pair Cabling Components, April, 2001
- ANSI/TIA/EIA - 568-B.2-1, Commercial Building Telecommunications Cabling Standard Part 2: Balanced Twisted Pair Cabling Components, Addendum 1 – Transmission Performance Specifications for 4-pair 100  $\Omega$  Category 6 Cabling
- ANSI/TIA/EIA – 569-A, Commercial Building Standard for Telecommunications Pathways and Spaces, February, 1998
- ANSI/TIA/EIA – 570-A, Residential Telecommunications Cabling Standard, October, 1999
- ANSI/TIA/EIA – 606-A, Administration Standard for Telecommunications Infrastructure of Commercial Buildings, February, 2002
- ANSI/TIA/EIA – 607, Commercial Building Grounding and Bonding Requirements for Telecommunications, August 1994
- ANSI/ TIA/EIA – 758, Customer-Owned Outside Plant Telecommunications Cabling Standard, April 1999
- BICSI - TDMM, Building Industries Consulting Services International, Telecommunications Distribution Methods Manual (TDMM)
- National Fire Protection Agency (NFPA – 70), National Electrical Code (NEC) –2002

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### Project Scope

This SOW covers the following components, tasks, deliverables and assumptions. Included in this will be procurement and labor for installing new equipment, cabling, and testing/certifying. The Horizontal (workstation) Cabling System shall consist of 4-pair Unshielded Twisted Pair (UTP) Copper Cables to each work area outlet unless otherwise noted for specific locations. The cables shall be installed from the

Work Area Outlet to the respective IT Closet (noted on drawing), and routed to the appropriate rack and terminated. The contractor awarded the bid will be Panduit certified and supplied our labeling scheme for cable, rack, and patch panels.

Qualified Bidder must include:

- Panduit Certification
- Breakout cost of Contractor Provided material
- Cost of Material and Labor are to be listed separate according to the drawing.
- Cost of Material and Labor for additional drop if needed.

## Components:

### 1) Contractor Provided

Part	Part#	Amount	Description
Panduit Cat 6	PUP6004BL-UY	Per Drawing	Cat 6 Cable Black
Panduit RJ45 8 Position	CJ688TGBU	Per Drawing	Data Jacks
Panduit RJ45 8 Position	CJ688TGOR	Per Drawing	AP Jacks
Panduit RJ45 8 Position	CJ688TGBBL	Per Drawing	Camera Jacks
Panduit Wall Plate or Surface Box	If needed	NA	Match wall color
Ladder Rack	Vendor Preference		Enough for wall and one rack
Panduit Vertical wire management	WMPHVHC45E	2	6" wide vertical cable management
Panduit rack	R2P	1	2 post rack
Panduit horizontal wire management	WMPFSE	6	1u cable management
Panduit empty angled 48port PP	CPPLA48WBLY	1	Patch Panel
Panduit empty angled 24port PP	CPPLA24WBLY	1	Patch Panel
APC ATS	AP4453	1	Automatic Transfer Switch
APC UPS 1500	SMX3000RM2UNC	1	Uninterruptible Power Supply

- 2) **Miscellaneous** – Contractor will provide all miscellaneous components as mentioned above as “Contractor Provided” to complete the install. This includes, but not limited to, cables, connectors, j-hooks, brackets, custom panels, racks, labels, hardware, tie wraps, etc. This is a **TURN KEY** install.

## Tasks:

- a. Data Cable Pulls - Contractor will install, terminate, test, and certify all cabling needed to complete the project. Data drops will have Panduit Blue Jacks and AP drops will have Panduit Orange Jacks, Camera Drops will have Panduit Black Jacks. Provide a PDF file showing certification of all data cables.
- b. IT Closet – Contractor will provide and install all material required to complete the infrastructure system as stated in Component section.
- c. Demarc – Contractor will install all material required to complete the infrastructure system as stated in Component section.

**Deliverables:**

- 1) Contractor shall warrant for 1(one) year all materials, equipment and/or services delivered to be free from defect of material or workmanship.
- 2) Furnish a PDF file showing certification on all cables to owner.
- 3) Provide pictures of Demarc and IT closet install.

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**Key Assumptions**

- Contractor/Installer is Panduit certified to install and terminate cable.
- Contractor has all necessary tools to accomplish service request.
- Contractor understands and agrees to late night and/or overnight working hours if needed.
- TERO fees will apply to this project.