

Submitting Entity:

Cherokee Broadband Enterprise

An Enterprise of the Eastern Band of Cherokee Indians

Cherokee, North Carolina 28719

Identification of Proposed Service Areas By Census Block and Tract:

State County # County Tract ID

State	County #	Name	County Tract ID
NC	37173	Swain	37173960200
NC	37173	Swain	37173960301
NC	37173	Swain	37173960302
NC	37173	Swain	37173980200
Total Swain			

NC	37075	Graham	37075920100
NC	37075	Graham	37075920200
NC	37075	Graham	37075920300
Total Graham			

NC	37099	Jackson	37099950500
NC	37099	Jackson	37099950600
NC	37099	Jackson	37099950700
NC	37099	Jackson	37099950800
NC	37099	Jackson	37099950900
Total Jackson			

Community Anchor Institutions for Potential Coverage:

5

Technology to Be Deployed:

Fiber and licensed wireless as the backhaul, unlicensed wireless access points in 900MHz, 2.4GHz and 5GHz spectrums to deliver voice and data connections to businesses and residents within the census tracts. Towers interconnected with licensed wireless and fiber will provide extremely high speed (1Ghz or better) backhaul to smaller relay towers. From the relay towers, fiber will interconnect strategically place distribution towers/poles that will deliver connectivity to the user location via the unlicensed wireless access points. If needed, fiber could be extended from the fiber interconnect to the home or business where justified. This is intended for use in the dense foliage and severe terrain where line of sight or near line of sight cannot penetrate to provide strong connectivity. The infrastructure can also provide the opportunity for incumbent carriers to provide mobile services to the customers in the new service tracts.

Contemplated Service Offerings:

Internet Connectivity and associated uses such as email, surfing, streaming, social media. VoIP for homes and businesses. Speeds will range from 4Mbps to 10Mbps download, 500kbs to 2Mbps upload for wireless connections. Fiber speeds will range from 10Mbps to 100Mbps download and upload depending on customer needs. Pricing for wireless connectivity will range from \$39.95 to \$69.95 per month. Fiber connections will range from \$120.00 per month upwards based on need and length of contract. VoIP will be \$20 per month for home users, unlimited calls within the continental United States and Canada. Business will range from \$29 per month, per user to \$49 per month, per user depending on selected available options. This can be a standalone system or a hosted solution.

Tribal Government Support:

Since Cherokee Broadband is an Enterprise of the Eastern Bank of Cherokee Indians, the tribal resources can be made available for support and potential matching programs.

Funding Requested:

\$3,200,000 over 4 years to design and build the infrastructure, deploy the equipment. \$600,000 in operation funding over 4 years to support the network

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administration, installations and on-going support.