BTC
Bruce Telephone Company

P. O. Box 489
101 Public Square
Bruce, Mississippi 38915

Office: 662-983-4343
Fax: 662-983-7300

Name	Calhoun County Schools RFP No: 2015-01
School	Bruce High School, Bruce Elementary School, Bruce Upper Elementary School, Calhoun County School District Office
Date of Today	3/19/2016
Notes	Because we understand that one of the goals for CCSD is to have private, district-wide, high-speed connectivity, we are also willing to explore partnering with TDS, should both companies win the bids for the locations within their respective footprints. Bruce will provide 1G Ethernet access as listed in RFP NO: 2015-01 page 3 - IV section A item iv "Leased bandwidth (1G Ethernet circuit) that will require of fiber to each location."

Kevin Timmons

VENDOR INFORMATION

SPIN NUMBER: 143001604
VENDOR NAME: Bruce Telephone Company
ADDRESS: 101 Public Square, Bruce, MS 38915
TELEPHONE / FAX: (662) 983-4343 (662)
VENDOR CONTACT NAME: Kevin Timmons
E-MAIL ADDRESS: kevin@failinc.com
DATE: 3/18/2015

P. O. Box 489
101 Public Square
Bruce, Mississippi 38915

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Name	Calhoun County Schools RFP No: 2015-01
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SPIN NUMBER: 143001604
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Erate Funding Year 2015-2016
District Area Network Project

CALHOUN COUNTY SCHOOL DISTRICT
119 WEST MAIN STREET
PITTSBORO, MS 38951

Contact: Brad Skinner
Telephone: (662)-412-3152
Fax: (662)-412-3157
E-Mail: bskinner@calhoun.k12.ms.us

I. Purpose

a. This Request for Proposal (RFP) is issued by the Calhoun County School District (CCSD) for the purpose of soliciting proposals from interested and qualified vendors. The resulting contract(s) will have the following goals:

   i. Short term: establish a District Area Network (DAN) to connect Calhoun County Schools and District Office with a fiber network.
   ii. Mid-term: leverage this fiber infrastructure to connect the three public libraries and the eleven Health Care Providers within the county to provide high speed internet access.
   iii. Long term: leverage this fiber infrastructure to connect the general public and residential customers to high speed internet access.

b. The CCSD is seeking the services of a quality vendor with experience in multi-site installations, and capabilities to provide responsive service for the network systems installed. The wide area network system must meet open industry standards, and meet the requirements established by CCSD as described within this RFP.

II. Background

The broadband needs of the students, teachers, and staff of CCSD require a robust network that connects all schools and administrative offices to one another. The Mississippi State Department of Education (MDE) provides Internet Access to CCSD to be used by all schools within the district. MDE does not charge CCSD for the Internet Service but without the appropriate access to the Internet resources, the schools cannot effectively utilize those services. The CCSD is looking to establish a District Area Network to facilitate that access.

Schools are just one of many anchor institutions located in any county. Anchor institutions are defined by the Federal Communications Commission (FCC) as follows:

Community anchor institutions include such entities as schools, libraries, hospitals and other medical providers, public safety entities, institutions of higher education, and community support organizations that facilitate greater use of broadband by vulnerable populations, including low-income, the unemployed, and the aged.

As an anchor institution, schools have been a major factor in the build-out of public broadband infrastructure across the country. CCSD wants to ensure that any infrastructure that is built for their use, will be provisioned in such a way that it will deliver access to broadband to everyone across the county.

III. Vendor Response Requirements

a. All questions regarding this RFP:
   i. Should be directed to Brad Skinner at bskinner@calhoun.k12.ms.us.
   ii. Must be submitted no later than close of business March 6, 2015.
   iii. Responses to questions will be distributed to all vendors requesting a copy of the RFP. The final response to questions will be distributed no later than close of business March 11, 2015.

b. Proposal Submission
   i. Due Thursday, March 19, 2015 by 12 Noon.

ii. One electronic copy in read-only format submitted to Brad Skinner at bskinner@calhoun.k12.ms.us.
iii. Three hard copies in sealed envelopes/packages labeled with "Calhoun County School District – District Area Network Proposal" and Vendor's Company Name submitted to Brad Skinner at: Calhoun County School District Central Office, 119 West Main Street, Pittsboro, MS 38951
iv. Proposals must be submitted in the format referenced in Section XIII.

IV. General Requirements

a. The CCSD wants to evaluate multiple options to address their specific needs and is therefore requesting that vendors propose one or more of the solutions described below:

   i. Direct building to building private district owned fiber. This would be a closed network connecting all district buildings together. The specifications for fiber construction are provided in Attachment A.
   ii. Fiber is owned by the district, but the fiber will terminate in the local incumbent telephone company's central office(s). The specifications for fiber construction are provided in Attachment A.
   iii. Dark Fiber leased from a telecommunication company or an Internet Service Provider that provides fiber infrastructure that meets TIA/EIA industry standards.
   iv. Leased bandwidth (1G Ethernet circuit) that will require the build-out of fiber to each location.

b. The Vendor's proposed pricing in response to this RFP must be provided in the format indicated in Attachment B (Cost Evaluation Table). Special Construction charges, entrance facility charges and any other one-time charges should be listed separately. Monthly recurring rates should not be increased to cover any one-time charges. We seek the lowest recurring rates that can be delivered, but the total cost of the project over a 5 year term will be evaluated.
c. The Vendor must respond to all requirements within this RFP. Where a specific response is required, the Vendor must respond accordingly. Where a specific response is not required the Vendor may simply respond with "Acknowledged" to confirm their understanding or agreement. Should the Vendor wish to take exception to any requirement, the Vendor must respond with **"EXCEPTION"** followed by an explanation for the exception.
d. The intent of this RFP is to represent a functional description and performance criteria for the systems required. The Vendor shall conduct actual system engineering and design activities that will lead to the final system configuration.
a. The Vendor may partner with subcontractors as necessary to meet the requirements of this RFP. However, the Vendor shall be fully responsible for the acts and omissions of their subcontractors as well as the acts and omissions of persons directly employed by the Vendor.
b. The Vendor must provide a proposed implementation schedule based upon projected timeframes required to complete the various phases of their proposal. The implementation schedule must clearly delineate Vendor tasks and responsibilities as well as CCSD tasks and responsibilities for pre-installation, installation, and post installation testing and acceptance.
c. The Vendor will be required to coordinate termination of services into the incumbent provider's central office(s). Contact information for these providers is listed below.

Bruce Telephone Company
101 Public Square
Bruce, MS 38915
Phone :(662)-983-4343

TDS Telecom
111 Public Square
Calhoun City, MS 38916
Phone :(662)-628-5151

d. The Vendor will be required to conduct a walk-through of the facilities in order to determine installation requirements and to identify any facilities issues that need to be addressed by CCSD. This walk-through may be scheduled with Brad Skinner at bskinner@calhoun.k12.ms.us or (662)-412-3152.

V. E-Rate Requirements

a. Universal Service Fund (USF) - As the result of the Telecommunications Act of 1996, Congress directed the Federal Communications Commission (FCC) to "establish competitively neutral rules to enhance, to the extent technically feasible and economically reasonable, access to advanced telecommunication and information services for all public and non-profit elementary and secondary school classrooms and libraries." The FCC then empowered the Universal Service Administrative Company (USAC) to administer the program. A division within USAC, later to become known as the Schools and Libraries Division (SLD), now administers the approximate $5 billion (annual) program known as E-Rate. Schools and libraries must apply for eligible services from eligible service providers every year. The eligible services fall into the following categories:

   i. Category 1: Telecommunications, Telecommunications Services & Internet Access
   ii. Category 2: LAN and WLAN Internal Connections & Basic Maintenance of Internal Connections

b. General E-Rate Requirements

   i. The Vendor must comply with the requirements of the Universal Service Fund (USF) program. E-Rate entities utilizing the contract(s) resulting from this RFP reserve the right to proceed with orders prior to receiving any funding commitments from the USF. They also reserve the right to proceed or not to proceed regardless of the outcome of USF funding commitments.
   ii. All services and products requested within this RFP will be made available to the schools identified in the Attachment C and therefore must meet all E-Rate guidelines for eligible services and products, service providers, and contracts.
   iii. The Vendor must prove eligibility for E-Rate by providing its Service Provider Identification Number (SPIN).
   iv. The Vendor must commit to meet all required participation guidelines.
   v. Price markups to standard provider pricing are not allowed for K-12 schools.

c. Service Provider Responsibilities

   i. The Vendor must specify the name, phone number, fax number, and e-mail address of the person responsible for E-Rate within the Vendor's company. The Vendor must also commit to provide updated information should that contact information change, and must commit to do so within 7 days of the change.
   ii. The Vendor must provide its Service Provider Identification Number (SPIN) (FCC Form 498). Acquiring a SPIN Number: http://www.usac.org/sp/about/obtain-spin/default.aspx
   iii. The Vendor must agree to maintain the Service Provider Annual Certification Form (FCC Form 473)
   iv. The Red Light Rule states that the FCC shall withhold action on any request for benefits made by any applicant or service provider that is delinquent in its non-tax debts owed to the FCC. USAC

shall dismiss any outstanding requests for funding if a service provider (or applicant) has not paid the outstanding debt, or made otherwise satisfactory arrangements, within 30 days of being notified.

v. The Vendor must agree to notify the CCSD in the event the Vendor/Service Provider has been subjected to the "Red Light Rule".

vi. The result of a Red Light could be that all payments are stopped on all Funding Request Numbers (FRN) for that service provider (or applicant) and no invoices will be paid.

vii. The Vendor must commit that to the best of its ability they will ensure that all services for which E-Rate discounts are being requested under the contracts resulting from this RFP, are indeed eligible services as described in the Eligible Services List (ESL) which can be found at the link provided below: http://www.universalservice.org/sl/applicants/beforeyoubegin/eligible-services-list.aspx. Any ineligible products or services that are proposed as part of the vendor's response to this RFP, must be clearly identified.

viii. The Vendor must agree to abide by all E-Rate rules, regulations, and limitations as described by FCC, USAC, and SLD. For a complete program overview the Vendor can visit the following link: http://www.universalservice.org/sl/default.aspx

ix. The Vendor must agree, that in the event of an E-Rate audit or Program Integrity Assurance (PIA) review, they will respond within 3 business days to any and all questions associated with its contracts, proposals, or processes.

x. The Vendor and its subcontractors must maintain all bids, quotes, records, correspondence, receipts, vouchers, delivery information, and other data relating to the Vendor's services to the CCSD eligible entities. All such records must be retained for ten (10) years after last date of service or whatever retention period is required by the rules in effect at the time that services are delivered and shall be subject to inspection and audit by the customer.

xi. The Vendor must have an internal audit process in place to ensure compliance with E-Rate program rules and regulations.

d. The Vendor must provide eligible entities the "Lowest Corresponding Price" (LCP) for services (refer to FCC 47 CFR § 54.500(f) and 47 CFR § 54.511(b)).

i. Rule 47 CFR § 54.500(f) states that the lowest corresponding price is the lowest price that a service provider charges to non-residential customers who are similarly situated to a particular school, library, or library consortium for similar services.

ii. Service providers shall offer schools and libraries services at the lowest corresponding prices throughout its geographic service areas. The "geographic service area" shall be the area in which a service provider vendor is seeking to serve customers with any of its E-Rate services.

iii. Service providers shall not avoid the obligation to offer the lowest corresponding price to schools and libraries for interstate services by arguing that none of its non-residential customers are identically situated to a school or library or that none of its service contracts cover services identical to those sought by a school or library.

iv. The FCC will only permit service providers to offer schools and libraries prices above prices charged to other similarly situated customers when those vendors can show that they face demonstrably and significantly higher costs to serve the school or library seeking service. Factors that could affect the cost of service – volume, mileage from facility, and length of contract.

v. Similar services shall include those provided under contract as well as those provided under tariff.

e. Rule 47 CFR § 54.511(b) states that the provider of eligible services shall not charge schools, school districts, libraries, library consortia, or consortia including any of these entities a price above the Lowest Corresponding Price (LCP) for supported services, unless the FCC, with respect to interstate services or

the state commission with respect to intrastate services, finds that the Lowest Corresponding Price is not compensatory.

f. The Vendor, regardless of the size of the company, must provide LCP for a school or library. A service provider's obligation to provide the LCP shall not be tied to a response to an FCC Form 470 or this RFP.

g. The E-Rate funding year starts July 1st and ends June 30th of the following year. SLD generally is unable to issue all Funding Commitment Decision Letters (FCDL), before the July 1st start date. Therefore, service providers may be unable to get USAC reimbursements until sometime later in the year; in some cases even in the last quarter. Many applicants simply do not have the budgets to pay full, undiscounted prices for services, especially recurring services, until the time they get notification of funding approval. Therefore, it is preferred that service providers use the Service Provider Invoice (SPI) method for invoicing the applicant.

h. The CCSD reserves the right to extend or abbreviate the contract period if such extension or abbreviation is necessary to make the contract term coincide with an E-Rate "program/funding year" or an extended service end date for an E-Rate program year pursuant to a "service delivery deadline extension," as those terms are defined by the FCC and/or USAC.

VI. Telecommunications/Network Requirements

a. Construction of Private Fiber Network
   i. Direct building to building private district owned fiber. This would be a closed network connecting all district buildings together. The specifications for fiber construction are provided in Attachment A and the site address information in Attachment C.

b. Construction of Private Fiber Network with Local Telco Connection
   i. Direct building to building private district owned fiber, but the fiber will also be terminated in the local incumbent telephone company's central office. The specifications for fiber construction are provided in Attachment A and the site address information in Attachment C.

c. Dark Fiber Lease
   i. Dark Fiber leased from a telecommunication's company or an Internet Service Provider that provides fiber infrastructure that meets TIA/EIA standards and is terminated in all school sites as well as the local incumbent telephone company's central office.

d. Managed Ethernet Services
   i. The Vendor must propose Managed Ethernet Services that include 1) equipment configuration, management, troubleshooting, and maintenance, 2) transport configuration, management, troubleshooting, and maintenance, 3) maintaining a service desk that coordinates trouble tickets associated with the CCSD network, 4) reporting on trouble tickets, utilization statistics, and monthly network trends, and 5) coordinating network upgrades, performance adjustments, and corrective actions in the network.
   ii. The Vendor must provide the equipment at both the provider edge and the customer edge to facilitate a fully functional service to hand-off Ethernet connectivity to the customer LAN at the customer site.
   iii. The Vendor must own the problems associated with the telecommunications services from the hand-off at the customer site to the provider core equipment in its network.
   iv. The Vendor must propose high-speed packet transport that is based on Ethernet transmission parameters that meet the most current IEEE standards. Vendor must propose fiber-based Ethernet services in 100Mbps, 500Mbps, and 1Gbps options.
   v. The Vendor must provide multipoint bridging capabilities for aggregating Ethernet connectivity.

vi. The Vendor must clearly identify the customer's responsibilities for termination of this service at the customer location.

VII. Installation Requirements

a. The Vendor must provide standard procedures for ordering and installing the proposed services. Installation coordination must include, at minimum, a planning meeting to determine responsibilities, scheduling the installation dates for each school, addressing any transition issues that might arise, addressing any facility issues with CCSD (rooms, cooling, power, etc.), and providing a complete inventory of the fiber resources or circuit information to the customer.
b. The Vendor must specify its standard installation intervals for the proposed services.
c. The Vendor must be capable of extending the fiber or circuit to the desired location behind the minimum point of entry at the schools. The additional cost for this service must be clearly identified along with the identification of whether the Vendor or a subcontractor will be providing this extension.
d. The Vendor's installation services must include all required products and services needed to install a functional service. This includes planning/engineering, termination, cross-connects, splices, terminating hardware setup, programming, mounting, and related documentation.
e. The Vendor must comply with all applicable codes, licenses, certifications, and standards in the State of Mississippi as it relates to the proposed installation services.
f. The Vendor must agree to perform adequate testing after installation services are performed to ensure services are operating properly when turned up for the customer. The Vendor may be required to provide documentation of test results if so requested.

VIII. Support Requirements for Private Fiber

a. The Vendor must provide a telephone support number that is available 24 x 7 for support of fiber related problems (i.e. fiber cuts, breaks, bad connectors, etc.).
b. The Vendor must maintain an inventory of the installed resources that includes all pertinent site information.
c. The Vendor will be required to participate in regular customer status meetings during the installation and implementation phases of the resulting contracts. The Vendor may be requested to attend meetings to review performance or service issues with the fiber resources or to discuss, plan and coordinate additional network growth after initial installation is completed.

IX. Support Requirements for Telecommunications Services

a. The Vendor must provide a telephone support number that is available 24 x 7. The support center must 1) be familiar with the CCSD account and network, 2) be staffed with resources that are proficient in spoken and written English, and 3) maintain and own trouble tickets reported by CCSD until those troubles are resolved.
b. The Vendor must provide telephone response to customer problems in one (1) hour or less and provide onsite support (if required) in four (4) hours or less.
c. The Vendor must have network engineering support 24 hours per day, 365 days per year. Though the CCSD operates like most K12 schools and is typically open Monday – Friday between 7 AM and 5 PM, the schools do have extracurricular activities that may require network access in the evenings and on weekends. Additionally, given that much of the future curriculum and testing will require network and Internet Access, should problems occur after hours, support may be necessary to restore services prior to normal operating hours.
d. The severity of the issue/support problem shall determine the average problem resolution response time under the contract as follows:

i. Severity Level 1 shall be defined as an urgent situation, where the customer's services are down and the customer is unable to use/access the services. The Vendor shall resolve Severity Level 1 problems as quickly as possible, which on average shall not exceed four (4) business hours.
ii. Severity Level 2 shall be defined as significant outages and/or repeated failures resulting in limited effective use by the customer. The service may operate but is severely restricted (i.e. slow response, intermittent but repeated inaccessibility, etc). The Vendor shall resolve Severity Level 2 problems as quickly as possible, which on average shall not exceed eight (8) business hours.
iii. Severity Level 3 shall be defined as a minor problem that exists with the service but the majority of the functions are still usable and some circumvention may be required to provide service. The Vendor shall resolve Severity Level 3 problems as quickly as possible, which on average shall not exceed forty (40) business hours.

e. The Vendor must provide written notification of any planned upgrades, modifications, etc. to the Vendor's infrastructure that may affect CCSD services.
f. The Vendor must maintain an inventory of the services provided that includes all pertinent site information.
g. The Vendor will be required to participate in regular customer status meetings during the implementation and migration phases of the resulting contracts as well as ongoing monthly contract management meetings to review new service issues, plan and coordinate network upgrades, and report on progress related to active network issues.

X. Service Level Objective Requirements

The Vendor must provide a complete list of their standard service level objectives and related remedies for any telecommunications services proposed and must commit to negotiate service level objectives and related reporting requirements.

XI. Evaluation Information

a. The response evaluations will be based upon the following:
   i. Price (35 pts) – Overall 5 year pre-discount E-Rate eligible cost to the district.
   ii. Public Infrastructure (30 pts) – Will the proposed solution provide publically available broadband infrastructure?
   iii. Experience in Broadband Infrastructure Build-out and Support (25 pts) – Does the vendor have adequate experience in building and supporting similarly deployed networks?
   iv. References (10 pts) – What do current or past customers say about a vendor?
b. Submission of a proposal implies Vendor acceptance of the evaluation technique and Vendor recognition that good-faith judgments must be made by the CCSD Evaluation Committee during the evaluation.
c. CCSD may have technical and/or financial consultants assist with the evaluation.

XII. Contract Terms

a. The contract that is awarded as a result of this RFP will be a 5 year contract with no extensions. This is to allow CCSD to be able to take advantage of the Simplified Application Process (SAP) that the FCC has implemented for E-Rate. The FCC has determined that a contract that is more than 5 years in length, including any and all extensions is not eligible for SAP.

i. CCSD reserves the right to reject any and all proposals, including those with exceptions, prior to and at any time during negotiations. Where the vendor has taken an exception to a requirement, the exception(s) will be accepted or rejected at the sole discretion of CCSD.
ii. CCSD reserves the right to waive any defect or irregularity in any proposal.
iii. A vendor may propose services to all sites listed in Attachment C, or a vendor may propose services to any subset of those sites.
iv. CCSD reserves the right to award these services to a single vendor or multiple vendors.
v. The award of a contract(s) as a result of this RFP does not obligate CCSD to go forward with the purchase of any products or services.
vi. The issuance of a funded FCDL (Funding Commitment Decision Letter) by USAC (Universal Service Administration Company) does not obligate CCSD to go forward with the purchase of any products or services.
vii. CCSD will issue a Purchase Order (PO) when the decision has been made to purchase any of the contracted products and/or services that result from this RFP.
viii. The first day of the contract will be July 1, 2015 and will be designated as the Contract Award Date, regardless of when the vendor is selected and the contract is signed.
ix. The Contract End Date will be June 30, 2020.
x. Eighteen months into the contract, starting in January of 2017 and ending May 1, 2017, CCSD will perform a Price Redetermination in which current (at that time) market pricing will be examined. If that examination determines that the current market pricing is significantly lower than the CCSD contract pricing, CCSD will ask the vendor to lower pricing to match or better current market pricing. If the vendor is unable to or unwilling to match or better the pricing then CCSD reserves the right to terminate the contract without penalty with a termination date of June 30, 2018.

XIII. Proposal Format Requirements

a. Vendors should follow the format below when preparing their technical proposal response. The original proposal and all copies should be indexed and tabbed with the below sections clearly marked. Vendors should make the proposal easy for the evaluators to read and reference. Proposal response should be ordered as follows:

i. **Table of Contents** - The Table of Contents should itemize the contents by section, subsection, and page numbers for facilitation of the evaluators reading the proposal.
ii. **Executive Summary** - The Executive Summary should be limited to no more than two (2) pages and should provide a concise summary of the services proposed to meet the requirements of this proposal.
iii. **RFP Response** – This includes the Vendor's response to all requirements outlined in the RFP. As indicated earlier, where the RFP specification requires a response, one must be provided. Some requirements will only need acknowledgement by the Vendor.
iv. **Cost Proposal** – This includes the Vendor's response to Attachment B (Cost Evaluation Table)
v. **Vendors Background, Experience, and Qualifications** – This will require completion of Attachment D (Vendor Information Response).
vi. **Qualifications and Certifications** – Include in Attachment E (i.e. E-Rate qualification, certification to sell products and services in Mississippi, other technical certifications of staff that may be relevant to the services proposed, etc.)

ATTACHMENT A – FIBER CONSTRUCTION SPECIFICATIONS

I. General Scope of Work

a. The Vendor must provide all labor, materials, equipment, cable, permits, supervision and other items noted in this RFP, that are necessary to provide a complete operable and tested system as defined.
b. The Vendor must provide materials, equipment, cable and connectors that meets TIA/EIA Industry standards.
c. The Vendor must secure all permits, inspections, and authorizations required to complete its work associated with this RFP. Any costs associated with these services must be bundled into the proposal cost proposed by the vendor.
d. The Vendor is responsible for all site surveys and must verify cable paths, building entry points, hub-closet locations, etc.
e. The Vendor is responsible for confirming the location of existing utilities prior to commencing work. The Vendor must agree to repair and restore any utilities damaged during construction.
f. The Vendor must terminate 6 strands at each school location and 6 strands for each relative site at the incumbent central office.
g. The CCSD desires for this construction to allow for access by other entities in their area to this infrastructure for services not currently available. The Vendor must propose a multi-strand cable to be buried for the school services and for future use by other entities. The evaluation will include consideration of the total number of strands proposed by the Vendor.
h. The CCSD Central Office will be the main hub for all connections in a Star Topology.
i. Every fiber run from school to CCSD Central Office must run through one of the two local incumbent telephone company's central office(s). See Attachment D for Site Address Information.
j. The Vendor must propose a buried fiber solution. Aerial fiber is not considered a valid alternative. If there is an issue with a buried fiber installation and aerial fiber must be considered, the Vendor must clearly define the issue and the reasoning for considering an aerial solution. This should only be considered as a last resort alternative.
k. The Vendor must detail how their proposed solution will allow for adding additional fiber in the future should the initial resources be consumed.

II. Cable Installation Specifications

a. The mechanical stress placed on the cable during and after installation shall not exceed the cable manufacturer's recommended level or bending radius, and shall not cause the cable to twist, kink, or stretch.
b. All buried fiber optic cable must be buried with an associated locator wire.
c. All fiber optic cables must meet generally accepted industry standards and specifications.
d. Any exposed conduit must be metal conduit.
e. Buried installations shall be at least 36" below grade.
f. Fiber optic warning tape must be placed 24" above conduit/inner duct.
g. All conduits and inner ducts must be properly sealed to prevent water intrusion.
h. All site MDF locations must be left clean, free of debris and wire scraps, and properly labeled and marked when installation is completed.
i. The specified six (6) strands of fiber at each site and within the local incumbent telephone company's central office(s) must be properly terminated. The Vendor must use industry standard connectors that will support the projected future capacity requirements for CCSD (1G to 10G Ethernet). The connectors must be consistent across the entire installation.
j. At least 30 feet of slack must be coiled and neatly fastened to a wall at all locations.
k. Detailed test results and documentation for each fiber must be provided.

l. All disturbed ground must be appropriately addressed and any damage to site facilities, utilities, etc. must be repaired.
m. The Vendor is responsible for any and all "make-ready" costs associated with this project and should include such expenses with their proposal.
n. The Vendor must place hand holes in front of each school, library, public health institution, and public safety institution that are passed along the fiber path. The Vendor must otherwise place hand holes on every city block within city limits and at every major intersection and every 1500 feet in the county. The Vendor must leave 50 ft of fiber coiled within each hand hole.

III. Network Equipment and Management Specifications

a. The Vendor must provide the customer premise equipment for each school site that is necessary to light the fiber, hand-off 1 Gbps Ethernet services to the school LAN, and route between CCSD locations.
b. The Vendor must provide the carrier grade equipment necessary to provide Ethernet switching and bridging between, at minimum, the schools sites to be installed at the local incumbent telephone company's central office(s).
c. The Vendor must provide the software, configuration, and installation of a monitoring system to capture data from the network equipment at each of the school district locations and the local incumbent telephone company's central office(s) for alerting the CCSD on errors or failures and for monitoring utilization and trends on the network. The Vendor must propose the management services associated with managing the networking equipment and the monitoring system defined above. These management services must include 1) equipment configuration, management, troubleshooting, and maintenance, 2) maintaining a service desk that coordinates trouble tickets associated with the CCSD network, and 3) reporting on trouble tickets, utilization statistics, and network trends monthly.

ATTACHMENT B – COST EVALUATION TABLE

Option A – Private Fiber Network

Site Name	Construction Cost	Miscellaneous Cost
Bruce Elementary School		
Bruce High School		
Bruce Upper Elementary School		
Calhoun County School District Office		
Calhoun City Elementary School		
Calhoun City High School		
Calhoun City Middle School		
Calhoun County Career & Tech Center		
Vardaman Elementary School		
Vardaman High School		

Option B – Private Fiber Network with terminations in Incumbent COs

Site Name	Construction Cost	Miscellaneous Cost
Bruce Elementary School		
Bruce High School		
Bruce Upper Elementary School		
Calhoun County School District Office		
Calhoun City Elementary School		
Calhoun City High School		
Calhoun City Middle School		
Calhoun County Career & Tech Center		
Vardaman Elementary School		
Vardaman High School		
TDS Central Office		
Bruce Telco Central Office		

Option C – Dark Fiber Leased from Telecomm Provider

Site Name	Construction Cost	Miscellaneous Cost
Bruce Elementary School		
Bruce High School		
Bruce Upper Elementary School		
Calhoun County School District Office		
Calhoun City Elementary School		
Calhoun City High School		
Calhoun City Middle School		
Calhoun County Career & Tech Center		
Vardaman Elementary School		
Vardaman High School		
TDS Central Office		
Bruce Telco Central Office		

Option D – Managed Ethernet Services

Site Name	Monthly Recurring Charge	Non-Recurring charges
Bruce Elementary School	36mo $875 per month / 60mo $600 per month	$0
Bruce High School	36mo $875 per month / 60mo $600 per month	$0
Bruce Upper Elementary School	36mo $875 per month / 60mo $600 per month	$0
Calhoun County School District Office	36mo $875 per month / 60mo $600 per month	$0
Calhoun City Elementary School		
Calhoun City High School		
Calhoun City Middle School		
Calhoun County Career & Tech Center		
Vardaman Elementary School		
Vardaman High School		

ATTACHMENT C – SITE ADDRESS INFORMATION

Site Name	Site Address	Incumbent Central Office Address
Bruce Elementary School	136 South McSweyn, Bruce, MS 38915	Bruce Telco
Bruce High School	430 East Countiss Street, Bruce, MS 38915	Bruce Telco
Bruce Upper Elementary School	212 North McSweyn, Bruce, MS 38915	Bruce Telco
Calhoun County School District Office	119 West Main Street, Pittsboro, MS 38951	Bruce Telco
Calhoun City Elementary School	506 East Seamans, Calhoun City, MS 38916	TDS
Calhoun City High School	201 North Beadle Street, Calhoun City, MS 38916	TDS
Calhoun City Middle School	207 North Jackson, Calhoun City, MS 38916	TDS
Calhoun County Career & Tech Center	302 North Madison, Calhoun City, MS 38916	TDS
Vardaman Elementary School	114 W.B. Gregg, Vardaman, MS 38878	TDS
Vardaman High School	106 W.B. Gregg, Vardaman, MS 38878	TDS
TDS Central Office	111 Public Square, Calhoun City, MS 38916	TDS
Bruce Telco Central Office	101 Public Square, Bruce, MS 38915	Bruce Telco

ATTACHMENT D – VENDOR INFORMATION RESPONSE

I. Vendor Information and References

Vendor Information

Company Name	Bruce Telephone Company
Company Address	101 Public Square, Bruce, MS 38915
Sales Contact Name	Kevin Timmons
Title	Network Manager
Phone	(662) 687-3434
Fax	(662) 862-4459
Email	kevin@failinc.com
Technical Contact Name	Kevin Timmons
Title	Network Manager
Phone	(662) 687-3434
Fax	(662) 862-4459
Email	kevin@failinc.com
E-Rate Contact Name	Kevin Timmons
Title	Network Manager
Phone	(662) 687-3434
Fax	(662) 862-4459
Email	kevin@failinc.com

Provide the following information for the proposing company:

1	A brief history of your company, number of years in business, and location of company headquarters and any offices in Mississippi. **Vendor response:** Bruce Telephone has been a local service provider for more than 50 years, and is owned by Fail Inc. a MS based company located in Bay Springs, MS. Sister companies are Fulton Telelephone, and Mound Bayou Telelephone
2	State the year your company was established and the year it began providing telecommunications and/or Internet services. If different, please specify when your company began providing these services in Mississippi. **Vendor response:** Bruce Telephone was incorporated in 1927 and has been an ISP since 1998.
3	Describe any current legal actions against your company, (pending or resolved within the past three years from date of issuance of this RFP that are or were held in a legal venue within the United States), in particular as it relates to the services you are proposing in response to this RFP, and provide the current status of any such actions. **Vendor response:**
4	Provide verification that your company is an authorized dealer, in good standing, authorized to sell, and able to deliver all services proposed within your response to the RFP and within the timeframes required by the RFP. **Vendor response:** SPIN # 143001604

Vendor References

Vendor must provide the following information on separate sheets for three (3) references that are using the Vendor's services and are similar in scope, complexity, responsibility, and technologies involved.

Reference #1	
Customer Name:	Itawamba County Schools
Address:	605 S Cummings St.
Name of Contact:	Michelle Floyd
Title:	Technology Coordinator
Email Address:	mhfloyd@itawamba.k12.ms.us
Telephone Number:	(662) 862-2159
Contract or Service Period (month/year to month/year):	Month
Types of Services Provided	Point to point layer 2 1G access between all school campuses.
Please briefly describe the scope of the services provided:	Bruce Telephone's sister company "Fulton Telephone" provides 1G access to all Itawamba County Schools campuses back to the District office. This network is transported over a redundant fiber ringed networked, and is maintained and monitored locally at Fulton, MS.

Reference #2	
Customer Name:	SHOTS Computers
Address:	1901 South Adams
Name of Contact:	Jerry Smith
Title:	CEO
Email Address:	jerry@shotspc.com
Telephone Number:	(662) 862-3037
Contract or Service Period (month/year to month/year):	Month
Types of Services Provided	Internet and local phone service
Please briefly describe the scope of the services provided:	SHOTS Computer depends on their local company for their phone and internet needs. SHOTS access is delivered over a direct fiber connection delivering up to 100mbps of data for their day to day operations.

Reference #3	
Customer Name:	Tedford True Value
Address:	101 Bailey Alley, Bruce, MS 38915
Name of Contact:	Robert Tedford
Title:	
Email Address:	tedfordstv@brucetelephone.com
Telephone Number:	(662) 983-2340
Contract or Service Period (month/year to month/year):	Month
Types of Services Provided	Internet and phone
Please briefly describe the scope of the services provided:	Tedford True Value relies on Bruce Telephone for their telephone and internet services. This service is delivered over a direct fiber to the customer's business.

ATTACHMENT E – Qualifications and Certifications

Vendor must include in its response to this attachment, the supporting documentation for required qualifications and/or certifications as specified in this RFP. These Include E-Rate qualifications, certification to sell services in Mississippi, technical certifications of staff relevant to proposed services, etc.