

Fiber OPTIC WAN to connect all RCS K12 schools and the RCS Board of Education to support education internet access for all students and teachers.

General Provisions:

Russellville City Schools, henceforth referred to as **RCS**, will receive sealed bids for **Bid # FY2021-3 Fiber OPTIC Cable WAN** as described below. This bid document will be available at <https://www.rcs.k12.al.us/bids> until the bidding is closed.

All proposals must be in a sealed envelope and shall be in the hands of Joel Andrews, Technology Coordinator, **no later than 1:59 PM on March 22, 2021**, at the Russellville City Board of Education, 1945 Waterloo Road, Russellville, AL 35653.

Sealed bids may be mailed to **Russellville City Schools, Attn: Joel Andrews, 1945 Waterloo Road, Russellville, AL 35653**, or delivered in person to the same address. Bids must be Clearly marked **Bid # FY2021-3 Fiber OPTIC Cable WAN** on the outside of the packaging. Failure to correctly mark bids may disqualify a vendor from consideration.

No oral, electronic, telegraphic or telephone proposals or modifications will be accepted. The bidder, before submitting a proposal, shall carefully examine the specifications to fully inform himself or herself as to all conditions and limitations.

All items delivered shall be free from defects in materials and workmanship. Any and all items found to be defective or failing to meet specifications shall be deemed unacceptable, removed from the premises and replaced by the equipment manufacturer at no cost to the owner.

Completion of this project is contingent upon e-Rate funding **and** availability of local matching funds. All prices quoted as part of this bid response must remain valid until RCS receives notification from USAC regarding the e-Rate funding commitment dated from July 1, 2021 until June 30, 2022. A detailed bill of materials for the entire project should be included. The winning vendor should be able to provide the bill of materials in the USAC bulk upload template upon request. Bids may be rejected by RCS at any time prior to the expiration of this period. RCS reserves the right to reject any/or all bids as may be deemed best for their interests.

All bids received shall guarantee items bid to meet or exceed specifications listed. If quoting other than specified, description and specifications shall accompany all bids. Bidder shall specify make and model quoted.

Items furnished as a result of this bid shall be delivered to RCS and must meet or exceed specifications indicated in this bid. Items not conforming to specifications may be rejected and returned at the vendor's expense.

Items not delivered in accordance with the specifications of this bid concerning quantity and quality, etc., may be purchased on the open market and any increase of cost over the bid price shall be charged to the vendor.

All materials, equipment, etc., shall be new and of kind specified or equivalent, and shall be in undamaged condition when turned over to the owner. The vendor shall be responsible for making any claims for items received damaged in shipment.

All prices submitted on this proposal are to be delivered prices and shall not include any additional expenses, state or local taxes.

Quantities and calculations given herein are believed to be correct, but the right to alter or vary these quantities or the right to purchase additional materials above the stated herein at the bid price is reserved.

Use of trade names and product numbers shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition since equivalent equipment and services will be considered.

Questions concerning this BID/RFP should be directed to:

Joel Andrews
Russellville City Schools
256-331-2100
joel.andrews@rcs.k12.al.us
jandrews@rcs.k12.al.us

General Specifications and instructions:

The intention of this bid is to connect all RCS K-12 Schools and our Board of Education to a district owned Wide-Area Network. Specified OS2 and OM4 fiber will connect to existing networking equipment including SFP+/SFP28 LC Modules. No network equipment is required with this bid.

All specified fiber optical cabling must be OS2 SMF for runs over 400 Meter and OM4 MMF for runs under 400 Meters and meet any applicable standards in effect on the date of the bid award. All fiber pairs will be tested and certified for 10Gbps or 25 Gbps traffic as specified by RCS. A copy of the test results will be supplied to RCS upon completion of the project. The intent of this project is for 95-100% of the fiber install to be below ground in 3" **OR** common industry standard size conduit (**whichever is most cost effective**) and buried 48" **OR** common industry standard conduit burial depths for fiber optical cable in our zip code of 35653 (**whichever is most cost effective**). Please specify conduit size and burial depth in the bid proposal.

This project will include but may not be limited to coordinating underground utilities, trenching, laying conduit underground, installation of fiber in conduit, building penetration as needed, fiber pulled through interior above ceiling space as needed, installation of fiber distribution units of appropriate capacity at each location, terminating, testing fiber connections at each location, and coordinating with RCS technical staff for connection to existing equipment. Existing conduit is available at Russellville High School (estimated installation September 2021) 3-4" conduit and 2.5-3" conduit at Russellville Elementary School. One location may require a pole for entry into the school (West Elementary) and if pole installation is required this will be provided by RCS. Coordination for building penetration can be discussed if necessary.

Termination at each of the 5 total location should include the following:

- Quantity 1 - Wall mounted fiber distribution units (CMU or Gypsum Board mount as specified by RCS) with all fiber terminated (Based on 6 fiber x 2 or 12 fiber x 2)
- Quantity 2 - 2 meter patch cable (LC to LC) for the appropriate fiber type (OS2 or OM4)
- Each location will have 2 fiber optical cable terminations (6 strand or 12 strand) for a total of 12 strand or 24 strand total per location

Total pricing should include all labor, parts and materials to complete the project as specified above but may require additional items not specified.

Additionally, fiber optical cable should be listed as a separate line item for each choice 6 strand vs 12 strand.

The total cable runs are estimated to be:

RCS Board of Education to Russellville Middle - Approximately 1525 ft
Russellville Middle School to West Elementary - Approximately 3230 ft
West Elementary to Russellville Elementary - Approximately 1830 ft
Russellville Elementary to Russellville High - Approximately 3200 ft
Russellville High to RCS Board of Education - Approximately 900 ft

Evaluation and Scoring Criteria for the bid

The evaluation criteria includes the following (**Price of Eligible Items is the greatest factor**) :

Price of eligible items 60%
Price of ineligible items 20%
Prior Vendor Experience 20%

The proposal shall be concise and including the following information:

- Pricing – Provide a formal bid as well as USAC template. Be sure to break out installation cost vs material cost
- Break out Eligible cost.
- Provide information regarding location and experience in regards to service and support
- Current USAC SPIN information and maintain a green light status with USAC

All prices quoted in The Vendor's response for will remain in effect for entire length of the project

Omissions in the proposal of any provision herein described shall not be construed as to relieve the Vendor of any responsibility or obligation to the complete and satisfactory delivery operation, and support of any and all equipment or services.

RCS reserves the right to accept or reject all proposals or sections thereof and when the rejection is in the best interest of RCS.

Acceptance of this bid is contingent on funding by E-rate, board approval, and available local matching funds.

Ultimately RCS will award a contract based on the following terms:

- 1) E-Rate approval by USAC
- 2) Must have current USAC green light status
- 3) Approval of the RCS Board of Education
- 4) Must meet all bid specifications.
- 5) Issuance of a Purchase Order will be contingent upon USAC acceptance and funding.

Use of trade names and product numbers shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition since equivalent equipment and services will be considered.

Locations of educational entities:

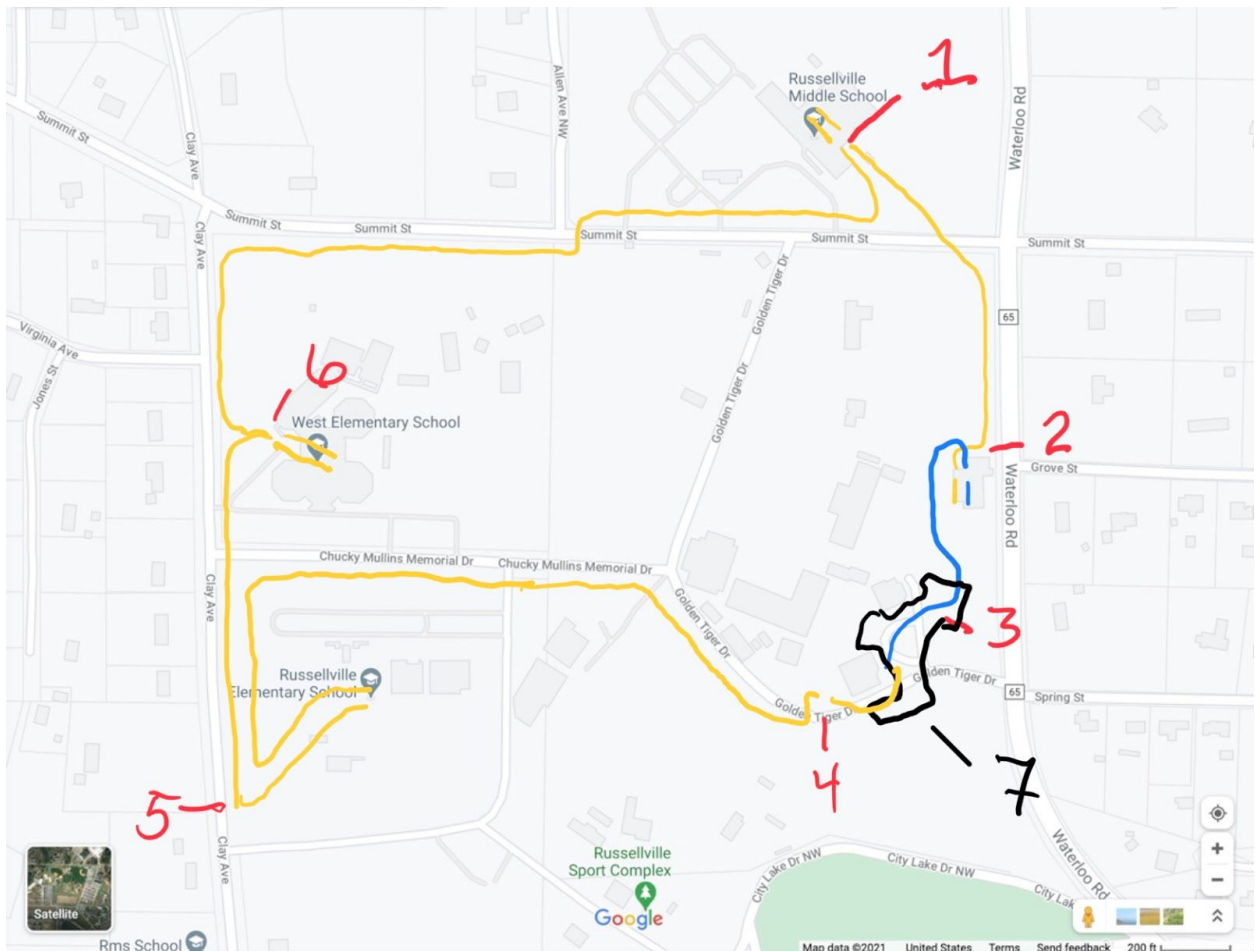
Russellville City Board of Education (#2 on below map)
1945 Waterloo Road
Russellville, AL 35653

Russellville High School (#3 on the below map)
1865 Waterloo Road
Russellville, AL 35653

Russellville Middle School (#1 on below map)
765 Summit Street
Russellville, AL 35653

West Elementary School (#6 on below map)
1340 Clay Avenue
Russellville, AL 35653

Russellville Elementary School (around #5 on below map)
133 Chucky Mullins Memorial Drive
Russellville, AL 35653



1. Existing building penetration (may require additional penetration)
2. Existing building penetration (may require additional penetration)
3. Black outline new construction to be completed Dec 5, 2021, will have 3-4" conduit to MDF
4. Black outline new construction to be completed Dec 5, 2021, will have 3-4" conduit to MDF
5. Existing pole with 2.5-3" conduit will need to be cleaned out and snaked (conduit length is approximately 450 ft from the pole to MDF)
6. May require a pole set for 25 to 35' of overhead fiber or new building penetration

Pictures provided on request, please submit questions via email and answers will be provided on the bid section of the web page for all vendors to see.

Use of trade names and product numbers shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition since equivalent equipment and services will be considered.



Use of trade names and product numbers shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition since equivalent equipment and services will be considered.