

Notes for RFP El Dorado WAN

Installation Requirements

- a. Winning vendor must do the following: Installation coordination must include, at minimum, a planning meeting to determine responsibilities, scheduling the installation dates for each site. Addressing any transition issues that might arise, addressing any facility issues (rooms, cooling, power, etc.). A complete inventory of the fiber resources or other circuit information must be provided to the district once installed.
- b. The Vendor will be responsible for all connecting cables and modules from fiber plant to core switch upon completion of construction.
- c. The Vendor should specify its typical installation intervals for the proposed services.
- d. The Vendor must be capable of extending the fiber, wireless, or other circuits to the desired location behind the minimum point of entry at the schools and to the required server rack and/or server/main network room and/or customer's head switch at each site as required at each location.
- e. The Vendor will enclose fiber in rigid conduit from two feet below the surface to the entry in to the building and will enclose the fiber in EFT conduit to the opening in the MDF.
- f. The Vendor must comply with all applicable codes, licenses, certifications, and standards in the State of Arkansas as well as any local city, county, federal, or other applicable standards as it relates to the proposed installation and services.
- g. Vendor must provide survey, procurement, installation, and configuration services to provide and support the requested WAN services. This includes, but is not limited to, obtaining all permits, zoning requests, and inspections required by law, statute, or ordinance. Network Services are to be installed at all of the sites with demarcation of vendor's services to be provisioned at the sites on a network interface provided by the vendor.
- h. All terminations are to be in rack-mounted LC LIUs.
- i. 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.
- j. Vendor will be required to service installation including monitoring, repair, locating for construction, all signage and manholes.

The El Dorado School District is exploring a fiber district wide area network (WAN) connecting 10 sites, with an eleventh site (El Dorado High School). Each site will connect back to 2000 Wildcat Drive El Dorado, AR 71730 (El Dorado High School) in a logical hub and spoke configuration. This is not a request for dark fiber or self-provisioned fiber, only leased lit fiber or wireless as indicated.

The fourth site, Galetton Elementary, may connect either with fiber or wirelessly back to the Technology Department Building due to distances involved and size of the location.

- Speeds should be priced at the below for all sites.
 - 10 Gbps
 - 100 Gbps
- Contract lengths of three, five, and ten years should be offered and priced accordingly
 - Options and pricing to increase WAN bandwidth if needed during the contract should also be offered. For example, pricing to increase from 10 Gbps to 100 Gbps.
 - A potential service increase may not be the same for each site. The service provider should provide the ability to increase the bandwidth at one site independently of the other sites if needed.
- Response times for an outage should be 4 hours or less. There should be a Service Level Agreement of (SLA) 99.99% uptime with consequences for the vendor if this is not met in a calendar month, barring maintenance windows outside of normal business/school hours.
- The school district should be allowed to pay its share of any up-front costs in installment payments over a period of four (4) years.
- Pricing must be given for including The El Dorado Education center and excluding the El Dorado Education Center.

Site Addresses to connect back to the High School:

- 1) Barton Junior High 400 West Faulkner Street, , El Dorado, Arkansas 71730
- 2) Washington Middle School 601 Martin Luther King Avenue, El Dorado, Arkansas 71730
- 3) Yocum Elementary School 308 South College Avenue, El Dorado, Arkansas 71730
- 4) Northwest Elementary School 1600 North College Avenue, El Dorado, Arkansas 71730
- 5) Hugh Goodwin Elementary School 201 East 5th Street, El Dorado, Arkansas 71730
- 6) Retta Brown Elementary School 505 Dixie Drive, El Dorado, Arkansas 71730
- 7) Murmil Education Center 2000 Ripley Drive, El Dorado, Arkansas 71730
- 8) El Dorado Educational Center 501 Timberlane Drive, El Dorado, Arkansas 71730
- 9) El Dorado District Office 200 West Oak Street, El Dorado, Arkansas 71730
- 10) El Dorado Food Service Center 401 West Faulkner Street, El Dorado, Arkansas 71730

The deployment part of the project might be accomplished by making the connections as listed below as an example. It is up to the bidders to determine best paths, distances, and other needs to accomplish this project, and to submit those determinations with their bids. Distances and paths below are approximate and for convenience and illustrative purposes only. It is up to the potential vendors and bidders to do their own due diligence.

- 1) Go from El Dorado High School to Barton Junior High (about 2.7 miles).
- 2) Go from El Dorado High School to Washington Middle School (about 3.2 miles).

- 3) Go from El Dorado High School to Yocum Elementary School (about 1.9 miles)
- 4) Go from El Dorado High School to Northwest Elementary School (about 3.1 miles)
- 5) Go from El Dorado High School to Hugh Goodwin Elementary School (about 3.4 miles)
- 6) Go from El Dorado High School to Retta Brown Elementary School (about 3.9 miles)
- 7) Go from El Dorado High School to Murrel Education Center (about 5.5 miles)
- 8) Go from El Dorado High School to El Dorado Educational Center (about 5.5 miles)
- 9) Go from El Dorado High School to El Dorado District Office (about 2.6 miles)
- 10) Go from El Dorado High School to El Dorado Food Service Center (about 2.7 miles)