

LastMile Connectivity Grant Application Elgin School District Elgin, Oregon

Contact: Larry Christman, Superintendent
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1. Project Description: *(describe the telecommunication challenge you seek to overcome, and how your proposal provides a viable, long-term solution)*

Elgin School District utilizes a shared Frame T-1 connection that is served by the Department of Administrative Services (DAS). Elgin has partnered with Umatilla-Morrow Education Service District (UMESD) interconnecting for data and video services and utilizing NERO (Network for Education and Research in Oregon) for Internet access.

This proposed project will build upon infrastructure already established and increase the Elgin School District capacity up to a 45MB connection. The challenge we need to address is the lack of capacity from our current connection that is inadequate to meet our demands in educating the students of Elgin School District. At the current level, day-to-day operation requirements such as Business Information and Student Information Systems, Oregon Department of Education Reporting, OAKS (aka TESA) and ELPA testing are compromising our hopes of successfully delivering digital curriculum, video streaming, and mobility.

In the past the only available solution was to add additional T-1 capacity. It would only provide minimal resolve and double the current monthly recurring cost. The district now has an incredible opportunity to take advantage of a solution that will provide the

bandwidth necessary to meet the education needs that is both affordable and sustainable. This project will enhance the delivery of K-12 instruction by supporting learning environments that engage students through educational technology activities. Under the current conditions, the ability to utilize video conferencing, distance education, or in-building wireless technologies is NOT an option in an efficient or effective manner. In summary, Elgin School District is always alert to any opportunity that will help achieve their technology goals.

2. Description of how the proposal satisfied the criteria outlined in Section E:

This solution provides for the essential “last mile” to establish a high bandwidth connection to LaGrande (16 miles) where Umatilla-Morrow Education Service District (UMESD) interconnects with NERO (Network for Education and Research in Oregon) for Internet access. It is a long term solution that is both scalable and sustainable.

This falls in the OSI model physical link and will build upon infrastructure already established to deliver the capacity essential to support instructional technology and educational efforts.

3. Description of site(s) covered and projected numbers of students and educators served:

Elgin is a small rural farming community with a population of approximately 1,710 that covers approximately one square mile. According to the US Census Bureau the median income is below both Union County and State of Oregon average. Elgin School District serves 380 students in K-12 in two buildings. The District office is housed within the

main school building. The student population is declining the past several years. The percent of students receiving free or reduced lunches is 60%.

Elgin School District has one .5 FTE administrator serving as Superintendent and a 31.3 FTE teaching staff. The teaching staff has an average of 11 years of experience with 8 % having a Master's Degree or higher.

Elgin School District is committed to technology resources and to maintaining the ratio of students and staff to functioning networked computing devices. The current student to computer ratio is 4:1 and each classroom district-wide has access to at least one computer. There are computer labs located in both the elementary wing and the high school. In the library there is also a mini-lab consisting of 9 workstations.

4. Key ESD and/or school staff involved in proposal:

Name	Title	E-Mail	Phone
Larry Christman	Superintendent, Cove SD	Lchristman@elgin.k12.or.us	541-437-1211
Cheri Rhinhart	IT Director, UMESD	Cheri.rhinhart@umesd.k12.or.us	541 966-3181
Cindy Naughton	Network Analyst, UMESD	Cindy.naughton@umesd.k12.or.us	541 966-3108
Casey Hampton	Desktop Support, UMESD	Casey.hampton@umesd.k12.or.us	541-663-3369
Cindy Criswell	Telecom, UMESD	Cindy.criswell@umesd.k12or.us	541-966-3211
Tom Hutchison	Network Analyst (WAN)	Tom.hutchison@umesd.k12.or.us	541 966-3187
Allen Acevedo	Network Analyst (WAN)	Allen.acevedo@umesd.k12.or.us	541 966-3186

Technology needs of the district are provided by the Information Technology team through the UMESD. This includes, but not limited to Networking support, desktop support; and Instructional Technology Support.

The Elgin School District recognizes both the Oregon Technology Common Curriculum Goals and the National Educational Technology Standards (NETS) for Students as guidelines for planning technology-based activities in which students can achieve technology literacy and success in learning, communication and life skills.

5. Description and role of any contractors involved in proposal:

Elgin School district would secure services from the selected vendor to deploy the proposed wireless project.

6. If applicable, a description of how the grant funds leverage other resources and their value:

This solution involves purchasing carrier-grade services equipment for the transport of 45Mbps full-duplex. Elgin School District partners with the local library and provides them free use of their bandwidth. They will continue to participate in the Federal E-Rate program to leverage discounts on telecommunications costs to offset increased usage costs. Students and teachers will have access to digital curriculum and professional development resources that are dependent on adequate bandwidth.

7. If Equipment is part of the funding request, a description, manufacturer and make of equipment is required.

The project includes the installation and purchase of necessary bandwidth on a service level agreement. There is no equipment purchase involved and we are only seeking funding assistance for the qualifying installation costs.

8. Proposal Budget

Fiber Service

NON-RECURRING COSTS

Item	Total
Installation	\$7,200.00
Total Non-Recurring	\$7,200.00

RECURRING COST

Monthly Service Charge	\$1,985.00
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