

Enterprise Network Solutions



How wireless broadband enabled a rural Texas public school district to secure the life of their 2.5GHz FCC license and dramatically increase their educational content capacity utilization.

- The Problem:** *The growth of educational content and new forms of highly effective electronic teaching tools was outpacing the data throughput speeds that traditional T1 lines could support.*
- The Solution:** *Upgrade the communications system to T3 or fiber or migrate to an ERF Wireless broadband network, which offers up to 15 Megabits per second throughput was chosen by Bellville ISD over T3 and fiber options. www.erfwireless.com.*
- The Result:** *Bellville ISD has successfully connected its 6 campuses with its administration, transportation and maintenance offices with more than enough processing capacity at a substantial cost-per-megabit cost savings compared to wired solutions.*



Bellville Independent School District

Background

Bellville ISD, located in south-eastern Texas about 60 miles west of Houston, is a multi-campus Texas public school district with approximately 2,200 students and 250 teachers and has successfully migrated to a secure wireless broadband educational network owned and operated by Texas-based ERF Wireless, Inc.. Previously, Bellville ISD had leased numerous land-based data transmission lines to link its 6 campuses with its administration, transportation and maintenance offices spread out across a 426-square mile district service area. The school district was also able to secure the life of their 2.5GHz FCC license and meet the substantial service requirements of the license while more than tripling the amount of bandwidth being used in their educational curriculum while substantially lowering their overall cost-per-megabit as compared to previous wired solutions. Typical data throughput over T1s, especially fractional T1s, provided Bellville ISD with connectivity up to 1,536 Kilobits per second. The school district now experiences data transmissions up to 15 Mbps with the ERF Wireless broadband network. The network involves point-to-point and point-to-multipoint topology with as much as 20 miles of separation between the West End Campus and the Network Operations Center.

For More Information

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Enterprise Network Solutions is a mini case study that is intended to illustrate a unique deployment of ERF Wireless, Inc.'s wireless broadband technology solutions to key vertical markets in rural markets, including Banking, Education and Healthcare.



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