

Outdoor Wireless Upgrade Information Sheet

Overview

Due to the evolving network products that have been implemented in the Town infrastructure and a demand for greater bandwidth, Town buildings that are in close proximity to each other, were upgraded. The outdoor wireless provides the Town with reliable network service at a fraction of the cost of a wired, service provided, connection.



The original implementation of outdoor wireless used the original 802.11b specification which at a rate of 11Mbps. This implementation occurred years ago and with the growing number of network attached resources and client server applications, the Town was proactive to update the current wireless hardware. The upgraded wireless hardware utilizes the 802.11a standard which operates at a rate of 54 Mbps which, compared to a wired T1 connection, is 30 times faster. The added bandwidth will provide a more productive network as well as the ability to expand.

The Town's wireless solution provides a cost savings to the Town. A Wide Area Network(WAN) link, provided by an external vendor, requires a monthly cost for service. With multiple buildings connected via wireless, the Town is relieved of these monthly costs. The Town wireless infrastructure is very reliable with minimal downtime.

Highlights

- Secure and encrypted data transmission between buildings
- Cost savings over a T1 WAN link
- 7 buildings have been upgraded to the new 54 Mbps solution

Interaction with Other Systems

- Infrastructure management software
- Existing WAN infrastructure

Project Details

- Project # 08-5348
- Implemented 10/3/2007