



Roadway Inn

The Challenge

- Seamless, roaming wireless network
- Protected/open network
- System that limits and controls per user bandwidth
- Strong signal in all buildings and rooms

Site Overview

The Roadway Inn is a three building, two story hotel. There are no elevators and stairwells are on the ends of the hallways. The buildings have steel framing and brick facades.

Background

Before having the Bountiful® Wi-Fi system installed, Roadway Inn used a Linksys router to provide access in the lobby.

According to the integrator, it was “not working well at all!”

The Inn wanted its guests to be able to access the Internet in their rooms, but lacked a system that could extend past the lobby or the funds to wire all of the rooms with high-speed Internet jacks.

Result

The installation was quick and easy, and the network provides a seamless, roaming wireless connection to the Internet that has allowed guests to surf the web without worrying about dropping the signal.

For the management’s safety, the network is protected to prevent unauthorized, non-guest users from accessing the Internet via the connection.

The integrator is able to monitor the network and control every feature and function of the equipment to give Roadway Inn the best experience possible.

Solution

Bountiful® Wi-Fi’s powerful **BWLWAPG1000 series** wireless access points provide a signal that is 2 to 4 times more powerful than the competition, and allows a quicker, less costly and simpler installation process. The multi-faceted Bountiful® Wi-Fi access controller, **BWRACWALL series**, provides an opportunity for the Roadway Inn to implement a hotel-wide Wi-Fi system, offering their guests wireless internet access with:

- Seamless, roaming wireless network with no dead spots.
- Protected network to prevent outside hackers from gaining access.
- System management limits and control per user bandwidth.
- Strong signal in all rooms of the complex.

All of these challenges were met by the powerful **BWLWAPG1000 series** wireless access point and the **BWRACWALL series** access controller. They provide a strong wireless signal with no dead spots in each of the 100 rooms of the 3 building complex. The WDS system inherent in the access points and controller ensures that each person’s connection stays strong as they move around the buildings. The solution limits the amount of bandwidth any one person can use. This keeps any single user from occupying the majority of the bandwidth, allowing as many people as possible to get on the internet. Together the **BWLWAPG1000** access points and **BWRACWALL** access controller allows the integrator to enable the appropriate security features to meet the customer’s needs.

Implementation

The installation of the access points was simple and straight-forward utilizing the attic crawl spaces in all three buildings. One access point was placed in each of the two smaller buildings, and three access points were placed strategically in the larger building. The **BWRACWALL series** access controller was installed in a closet for easy technical staff access.

Comparison

Competitor	Price	Quantity	Total
521 wireless express AP	\$280	9	\$2520
2106 WLAN Controller	\$2100	1	\$2100
Total			\$4620
Bountiful® Wi-Fi	Price	Quantity	Total
BWLWAPG1000 AP	\$289	5	\$1445
BWRACWALL-6Controller	\$899.19	1	\$899.19
Total			\$2344.19*

Additional savings for [VARSense®](#) members

Bountiful® Wi-Fi’s powerful suite of products provides a solution that is half the cost of the competitor’s alternative. It clearly beats the competition in price, and represents less maintenance, causing overall cost savings to exceed 100%.

The Bountiful® Wi-Fi solution provides an *additional cost benefit* in reduced hours, which *saves the integrator time* and Roadway Inn money on installation costs.