

A rural county government has multiple bridges in its boundaries that stretch beyond 5 miles each. In an effort to improve safety on its roadways, the county would like to add analog phone boxes every mile along the bridge ways. However, if the county adds video surveillance along the same highways, the county can receive Homeland Security funds to fund the project. The challenge for the county is finding a simplified solution that integrates the ability to identify the analog phone being used to report the emergency, and viewing images from the nearest video camera with the particular phone in its view angle.

Solving this challenge will benefit the county government in the following ways:

- ◆ By meeting Homeland Security funding requirements, significant funding for the county can be used for not only its rural roads, but for city centers where populations are more concentrated
- ◆ The local sheriff's offices would be able to dispatch its officers quicker and more efficiently to the location of the emergency, allowing fewer officers to be on patrol, thus reducing costs
- ◆ A safer roadway would draw more traffic through the county, leading to more retail sales, hotel stays, and in general more tax revenue for the county
- ◆ In creating a sound solution based on latest technology, the county takes a leadership role within the state, helping to elevate its status, leading to further funding and testing of new technologies in the future



THE SOLUTION

The focus of this solution is provide a web-based video surveillance application for easy access to county roadways

- ◆ A driver opens an analog phone box, and lifts the handset, automatically connecting it to the county office dispatch office
- ◆ The county dispatch agent receives notification of which analog phone has been opened and/or taken off-hook
- ◆ An option is provided to the dispatch agent's IP phone to view the still image from the camera with the analog phone in its view angle
- ◆ Upon identifying the location of the emergency and nearest camera, the dispatch agent can access a web based video surveillance application that allows easy access to all its cameras for immediate, real time video of the surrounding area
 - ◆ Upon assessing the emergency, the dispatch agent has several options available to dispatch the correct personnel to the location
 - ◆ From an easy three step, web based interface, broadcast the information over two way radio to patrol officers
 - ◆ From an easy three step, web based interface, broadcast the information as text to mobile devices to patrol officers
 - ◆ From the IP phone, initiate on-demand conference calling reaching out to those responsible for safety on the roadways
 - ◆ From an administrative, web based interface or from any phone, initiate a dial out to the proper personnel allowing them to acknowledge receipt of the alert