



# Case Study City of Richmond, VA



The City of Richmond, located along the James River in the mid-Atlantic Commonwealth of Virginia, is home to over 200,000 residents. The City of Richmond's government provides municipal services and manages the government functions within the city, which hosts the state capital.

## CHALLENGE

The City of Richmond's Department of Economic Development (DED) needed to improve the data communications between the DED and City Hall in order to transfer large files between the two buildings. A single large CAD drawing could take hours to transfer using the existing 1.5 Mbps T1 circuit between the buildings. The city's IT department liked the ease of deployment that came with using license-free spectrum, but was concerned about using 2.4GHz and 5.8GHz products, due to security and interference risks associated with the large antenna beamwidths of these products.

***"Now that we have a gigabit connection, we have additional applications that can leverage the abundance of bandwidth that were never before considered."***

- Dana Turner,  
Network Director, City of Richmond

## SOLUTION

Barre Y Lane Communications was contacted by the City of Richmond to provide a solution to meet this challenge. Kevin Smyth, President and Founder of Barre Y Lane Communications quickly assessed the requirements and identified BridgeWave's GE60X extended range GigE wireless link. Mr. Smyth's team had the link up and running in less than 2 days, providing the city a 600 times capacity increase between the buildings.



"Before we installed the BridgeWave GE60X link, it took 2 to 3 hours to send large CAD drawings to my printer using a T1. Now I am able to complete the same print job in less than 20 minutes – the network is no longer a bottleneck. Also, during the recent tropical storm Ernesto, there was no performance degradation despite the severe wind and rainfall. The link worked flawlessly and exceeded all of our expectations." Stated by Ms. Linette Bond, Administrative Project Analyst, City of Richmond.

"Now that we have a gigabit connection, we have additional applications that can leverage the abundance of bandwidth that were never before considered. We are truly amazed by the performance, affordability and the speed to deploy the BridgeWave product compared to installation of fiber or WiFi technologies." Remarkd Dana Turner, Network Director, City of Richmond.

Mr. Smyth stated, "My experience with BridgeWave has been a great partnership. Their products have exceptional reliability. I knew the GE60X would exceed the City's expectations and would not have maintenance problems afterwards."



BridgeWave



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### ABOUT BARRE Y LANE COMMUNICATIONS

Barre Y Lane means “high water mark” in Gaelic, which is the satisfaction goal of every wired, wireless, telecommunication and IT customer solution it delivers. Barre Y Lane Communications is a Certified Value Added Reseller of BridgeWave equipment and has many years of experience in deploying gigabit Ethernet solutions for a variety of applications and markets. Contact Barre Y Lane Communications at 804-368-8001 or visit online at [www.barreylane.com](http://www.barreylane.com).

### ABOUT TESSCO TECHNOLOGIES

TESSCO supplies wireless communications and networking products and solutions to business professionals. TESSCO manages over 34,000 products from 350 manufacturers, at attractive prices, with guaranteed delivery. TESSCO helps streamline your supply chain inventories and total costs. Customers rely on TESSCO's valued-added services, technical support and world-class customer service to provide solutions. Contact TESSCO at 1-800-472-7373 or visit TESSCO online at [www.tessco.com](http://www.tessco.com).

### ABOUT BRIDGEWAVE COMMUNICATIONS

BridgeWave Communications, Inc. is the leading supplier of gigabit wireless solutions. Setting the standard for product quality, BridgeWave employs Highly Accelerated Life Testing (HALT) during design and Highly Accelerated Stress Screening (HASS) during production to ensure the highest levels of product reliability and customer satisfaction. BridgeWave has achieved ISO9001 registration for over five years running. For more information, please visit <http://www.bridgewave.com>.

CASE STUDY



BridgeWave



## Case Study

# City of Richmond, VA

#### CUSTOMER:

City Of Richmond, VA

#### INDUSTRY:

Government

#### RESELLER:

Barre Y Lane Communications

[www.barreylane.com](http://www.barreylane.com)

#### CHALLENGES:

- Need to transfer large CAD and other files between government buildings.
- Required a level of data security not available with 2.4 GHz and 5.8 GHz products.
- Quick & easy solution deploy.

#### SOLUTION:

- BridgeWave's Gigabit Ethernet GE60X extended-range solution.

#### BENEFITS:

- Network no longer a bottleneck.
- Ability to transfer files in 20 min., which previously took 2-3 hours.
- No performance degradation during severe weather.
- An abundance of bandwidth that can be leverage to facilitate additional applications.

CASE STUDY



BridgeWave

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800-472-7373

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