



**OHIO MESH TECHNOLOGIES, 1-877-849-6374**

*“connecting our world efficiently”*



**Firetide Wireless Mesh Networks-Surveillance, Security & WiFi**



## **TRAVELODGE GROVE CITY** *Successfully provides WiFi for all of its Guests.*

### **Organization**

Ohio Mesh Technologies,  
Firetide Premier Partner

American Broadband,  
Ohio Mesh's Installation Partner

### **Industry**

Hospitality

### **Challenge**

Provide WiFi service to all hotel rooms in a hotel with a structure built out of 22" thick block wall and only has outside entrances to each hotel room, in other words no internal hallways.

### **Solution**

Firetide Access Points with the proper high gain antenna selection positioned in strategic locations around the building to ensure that the WiFi signal would enter each room through the windows and doors. This allowed the Ohio Mesh Engineering Team to install only 3 Access Points versus the 13 that were proposed by a competitor.

The Grove City Travelodge Proprietor, Mr. Al Patel, was frustrated and concerned about providing his guests with quality WiFi, a Guest amenity that is required by his franchise and that makes his hotel competitive.

Mr. Patel talked with a number of vendors, but, after seeing some demonstrations was not convinced that what he had seen so far was going to provide his guests with a quality WiFi signal.

Some of the vendors were going to saturate his hotel with multiple access points and with only outside entrances to the rooms this would have meant a lot of outdoor construction and cost.

Mr. Patel then met with the Ohio Mesh Technologies team and learned about the Firetide Product, options in signal delivery and basic RF facts.

After careful consideration, Mr. Patel determined that the Ohio Mesh-Firetide solution was the best cost-value.

Ohio Mesh Technologies proposed just 3 Access Points with high gain antennas positioned strategically to deliver the best signal possible under these conditions.

**WiFi for the Hospitality Market**



**OHIO MESH TECHNOLOGIES, 1-877-849-6374**

*“connecting our world efficiently”*

**Antenna** selection was critical in this solution as there were no poles, rooftops, structures etc. to mount these antennas and the Access Points still had to be connected to the internet drops.

During the site-survey the Ohio Mesh Team in concert with the American Broadband Team discovered that there were storage and utility rooms available to install the access points. By installing the access points inside these climate controlled rooms on the 1st and 2nd floors enabled Ohio Mesh to propose less costly indoor access points.

Ohio Mesh selected the TerraWave 12 dbi outdoor antenna unit to insure that the WiFi signal provided a high range in output.

By customizing the cable connection access point to antenna, the team was able to install the antennas on the ceiling of what is the walkway of the floor above. This put the antenna unit on the outside transmitting a high quality signal that was so far reaching, a hotel 1/4 mile away was getting the WiFi signal.

The true test was to sign-on to the captive portal with our own laptops at the furthest point deep from the antennas inside the

room to experience the same connectivity that a guest would experience.



**12 dbi Terrawave Outdoor Antennas**



**ACCESS POINT INSIDE STORAGE ROOM**

**Success**, even the furthest room was able to receive a strong WiFi signal at top speed.

For more information on WiFi, Wireless Surveillance Cameras, or just Security Camera Configurations contact the Sales Department at Ohio Mesh Technologies at 1-877-849-MESH.

We will provide you with a consultation visit to discuss your needs and requirements.

**Mr. Al Patel, a Happy Proprietor!**



**OHIO MESH TECHNOLOGIES**  
Corporate Headquarters  
7431 Oakmeadows Drive  
Worthington, OH 43085  
1-877-849-MESH