

### CASE IN POINT

Located thirteen miles north of downtown Dallas, the town of Addison, Texas is a bustling community of approximately 15,000 permanent residents. Addison's thriving economy is home to several major corporations such as Pizza Hut, Mary Kay Cosmetics, CompUSA and Palm Harbor Homes resulting in a daytime work population of over 100,000 people. It is a compact urban center consisting of towering office buildings, residential communities, shopping centers, a busy general aviation airport, 22 hotels and more than 170 restaurants.

As proof of its commitment to being one of the most technologically progressive communities in the nation, Addison is the first community in Texas to provide city-wide wireless broadband Internet access to its residents, municipal workers, public safety officials, businesses and visitors. "We wanted to give people options, said Hamid Khalehipour, Addison's Information Technology Director. "Many businesses and residents in town couldn't access the Internet either because they didn't have cable or DSL or because the Internet wasn't available in their area. We are providing an alternative so that our businesses can remain competitive and Addison residents and visitors can have affordable Internet access. Anything we can do to stay on the cutting edge will help make Addison a more attractive community in which to live, work and run a business."

Addison officials saw wireless broadband as a means to improve living and working conditions in town as well as an opportunity to reduce municipal telecommunications costs. They also wanted a reliable mobile Internet access solution for police, fire and EMS personnel.

Other municipal services that could be supported by the Addison network include building inspection, local event management and public works. Although a number of municipalities have initiated municipal wireless networks to support only public safety applications, many cities are finding that planning for a mixed-use network at the outset can result in substantial cost savings in the longer term.

### BUILDING A MIXED-USE NETWORK

Addison selected RedMoon Broadband, based in Plano, Texas, over a number of other contenders to launch and manage the network because of their experience and proven ability to deliver comprehensive wireless solutions. RedMoon's solution satisfied all of Addison's requirements including the ability to provide broadband wireless services to residents, businesses, visitors and public safety workers alike.

RedMoon deployed 120 Tropos 5210 MetroMesh routers over Addison's approximate 4 square mile area. The Tropos 5210 is certified for outdoor installation and can be mounted on external structures such as buildings or lampposts. It also runs on a wide range of AC and DC power options and can optionally be configured with battery backup. Traffic from the routers is backhauled using Trango point-to-multipoint equipment to a Colubris Internet gateway.

The Internet or public access gateway interfaces with Airpath's RoamBOSS platform which provides RedMoon with a seamless solution to support subscriber authentication, billing, roaming, clearing and settlement. Airpath's RoamBOSS Metro provides custom web portal creation and management, end-user authentication and management, flexible service plans and development tools and the ability to wholesale the network footprint.



*"This is a major accomplishment for the Town of Addison. It has been a goal of Addison's City Council since 2003 to provide city-wide Wi-Fi services for our entire community, and we are elated that RedMoon enabled us to make that goal a reality."*

*"This milestone reaffirms Addison's commitment to being one of the most technologically progressive communities in the nation."*

*Joe Chow, Addison Mayor*

## AIRPATH CLEARS THE WAY

Airpath was selected by RedMoon because of the flexibility of the RoamBOSS Metro solution, its scalability, its support for a variety of end-users – from retail to wholesale customers – and a high level of responsiveness and support from the Airpath team.

“Airpath is one of the most professional and responsive organizations that I have ever had the pleasure of working with,” said James Rice, RedMoon’s Vice President of Operations. “In addition, the flexibility of Airpath’s RoamBOSS Metro platform enabled us to deliver a comprehensive mixed-use network that satisfies the needs of just about every type of user in Addison.”

The RoamBOSS Metro platform combines the functionality of Airpath’s Operational Support System (OSS), WiBOSS®, and the clearinghouse platform, InterRoam®. RoamBOSS Metro facilitates the buying and selling of wholesale network access, account validation, access permission (clearing) and financial reconciliation (settlement). Combining the metro-scale OSS management utility with the dynamic clearinghouse platform allowed RedMoon to deploy a neutral-host network that can offer wholesale access to multiple providers.

RedMoon’s neutral-host network permits the subscribers of other service providers to use their existing logon credentials from their home service provider. For example, in an agreement between RedMoon and a leading provider of Internet access solutions, Remote Pipes subscribers can roam onto the Addison network.

RedMoon took full advantage of the comprehensive functionality of RoamBOSS Metro and designed a range of services that meets the needs of residents, ad-hoc users and visitors. Many residents have chosen to sign up for a monthly service plan for \$16.95 a month with no contract. For those visitors in need of brief periods of access, RedMoon designed an unlimited use day plan for \$9.95 and a pay-as-you-go plan for \$5.95 an hour.

RedMoon’s network provides Addison’s 100,000-plus daytime population with wireless Internet access from just about every area of the town. Such ubiquitous connectivity satisfies the needs of residents, visitors and public safety officials and establishes Addison as one of the first completely wireless communities in the nation.

## REDMOON COMPANY PROFILE

RedMoon, Inc., a leading provider of mobile data networks, builds and maintains city-wide mesh and fixed wireless networks allowing cities, counties and other municipalities the necessary technology to save time, money and lives in every day tasks. RedMoon’s expertise lies in the deployment of mobile broadband networks that cover all aspects of Public Safety, including Police, Fire and EMS. The company’s unique mesh technology provides Internet access with full coverage, enabling city agencies to access the tools necessary to efficiently handle both emergency and non-emergency situations as well as reading meters, traffic control and surveillance. The company was founded in August 2000 and is headquartered in Plano, Texas. More detailed information can be found at [www.redmoonbroadband.com](http://www.redmoonbroadband.com).

### About Airpath

*Airpath enables providers to manage their Wi-Fi networks and roaming activities to offer their subscribers seamless, global access to broadband services*