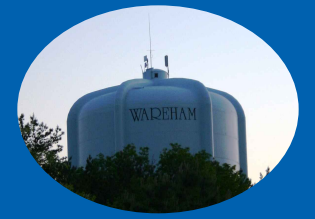


## Project Overview

# The Town of Wareham Massachusetts



The Town of Wareham faced the challenge of replacing an existing 10 Mbps shared network for sixteen Town buildings because Comcast chose to no longer support the network the Town depended on.

In addition, the shared service for all municipal and educational buildings had become heavily congested with network traffic causing the town to postpone their VoIP telephony rollout since their desired call quality could not be achieved.

### Key Project Statistics

- Square Miles: 35
- Backbone: 3 Water Tanks
- Buildings: 14 Wireless & 4 Fiber

### Products Used:

- Wireless Backhaul: Alvarion BreezeNET B100
- Wireless Multipoint: Alvarion BreezeAccess VL and BreezeAccess 900 MHz
- Wireless Mobile: Alvarion BreezeAccess 900MHz
- Vehicle: Alvarion BreezeAccess SU-M 900 MHz
- Network Infrastructure: Extreme Networks

Comcast gave the Town a deadline of April 30, 2006 to replace the network with their own solution.

The project kicked off in the fall of 2005, leaving roughly a short 7 months to replace and enhance

the bandwidth rapidly and effectively, within budget and time guidelines, while minimizing service disruptions.

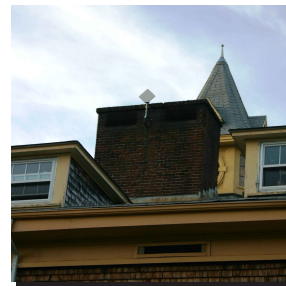
Fiber for the entire project was immediately ruled out due to distance, cost and time. ATS was engaged to develop and oversee the project design and solution. ATS reviewed leased line options at 1.54 Mbps per location with recurring fees versus wireless solutions at 54 Mbps with higher initial cost. Slow speed and monthly recurring fees for leased lines lead ATS to recommend a town wide wireless network for fourteen buildings and three water towers. Four of the town buildings high school, middle school, multi-service center and town hall are in the same complex and a fiber network was used to connect those buildings.

ATS was able to provide a turnkey solution designing, installing and maintaining the wireless network for the Town of Wareham.

The new network is 80% less costly than fiber and came in 3 months ahead of schedule.



Each main location now has a 54 Mbps link into the wireless backbone which is 5 times more efficient than the previous network and 36 times faster than a conventional T-1 line.



This network has the ability to prioritize and transfer voice, video and data as Town needs evolve and ATS is able to provide 3 Mbps links to several outlying buildings which never before had data connections and were isolated from network access.

An added benefit for the Public Safety, Department of Public Works, Cable Station and Water Departments is a private municipal mobile wireless network independent from the cellular carriers.

The new municipal mobile wireless network provides access speeds well above the latest cellular technologies, in many cases 10 times the speed at 3 Mbps, without the traditional high monthly recurring fees per vehicle. The municipal mobile wireless network bandwidth allows for the transfer of video and has been used for broadcasting Town festivals to the local cable channel.

