



# Village of Barrington Hills Distributed Antenna System Overview

*June 15, 2009*



**ATC OUTDOOR DAS**

ATC Confidential and Proprietary

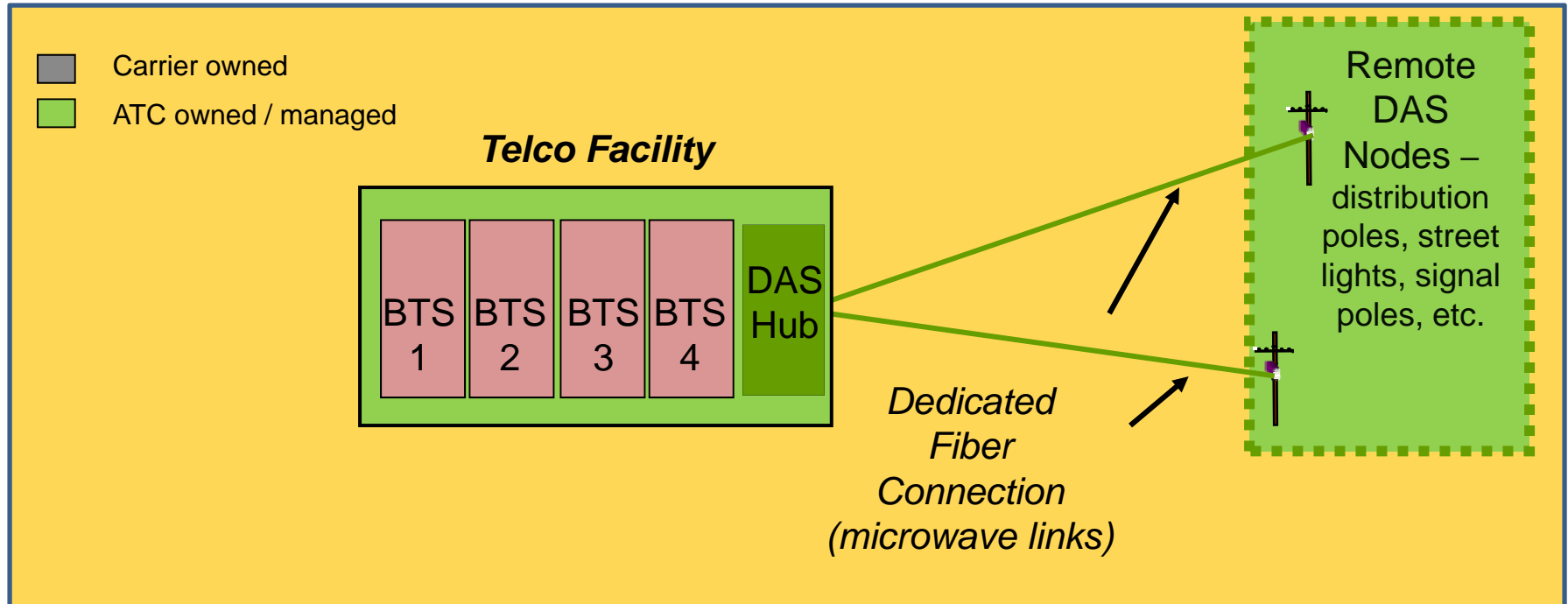
# Agenda

- Introduction & update
- DAS overview
  - What it is
  - What it can look like
  - Public benefits
- Q & A
- Next steps

# ATC Introduction and Update

- ATC (S&P: AMT) is the global leader in wireless infrastructure outsourcing
  - 23,900 towers in the US, Mexico, Brazil, and India (1,103 in Illinois)
  - 175 indoor DAS networks / 15 Chicago area
    - Inc. Woodfield and Hawthorne Malls and Schaumburg Renaissance Conv Ctr
- In support of growing outdoor DAS business, ATC is a public telecom utility in 27 states, including Illinois
- Since initial contact (8/5/08) with Village:
  - Developed network design for 1 licensed carrier / signed LOI
  - Met with R.Kosin , K.Colosia, J. von Meier on 4/29/09
  - Appeared at 5/18/09 Village Trustee meeting
  - ATC has submitted to Village draft right-of-way agreement for roads under Village jurisdiction

# DAS Overview



- DAS distributes a wireless carrier's BTS signal to Nodes located where they want coverage and/or additional capacity
- Infrastructure is similar to that which exists today in the public right of ways – fiber, control boxes, and small antennas
- No/low visual impact complement to traditional towers

# Proposed Installation Types



# Public Benefits of ATC DAS

- Improved quality of life and public safety associated with wireless communication
- Proposed free use of fiber for municipal purposes
- Least intrusive wireless technology
- As a shared network:
  - Minimizes antenna proliferation
  - Improves competition and choice for residents as ALL mobile carriers can use the system
  - Minimizes disruption to public ways during construction and on-going operations
  - Fiber provides foundation for future data applications and technologies

# Next Steps

- Site selections / CW drive test / finalize RF design
- Conclude Right of Way agreement (July 27<sup>th</sup> target)
- Discuss further lease of Village properties for hub
- Obtain permits (August-September target)
- Deploy network (October through March)
- Provide best in class ongoing DAS service!