Since Verizon announced its intent to build the world’s most advanced fiber-optic network in 2004, TrueNet Communications has been providing fiber design and engineering services to the carrier’s Mid-Atlantic Region. As one of the few engineering contractors to have worked on every phase of the ambitious $23.0 billion fiber to the premise (FTTP) project since its beginning, TrueNet Communications is unique. Of the original 14 contractors selected to perform FiOS fiber network design in Verizon’s Mid-Atlantic Region, only TrueNet and two others survived the initial startup, worked on every phase of the project and currently perform business-as-usual OSP design and engineering for Verizon.

Scope of Work

To serve a premise, optical fibers extend from a FiOS central office out to a neighborhood hub serving approximately 300 locations. The project’s initial Scope of Work (SOW) called for TrueNet to design and engineer the fiber plant required to pass the neighborhood premises served by a hub, identifying the pathway from the hub to the premise and document that work in ICGS, Verizon’s proprietary CAD software platform and database. As the project’s focus moved from residential neighborhoods to multiple dwelling units (MDUs) in Phase 2, the SOW was modified to incorporate MDU ISP fiber pathway design and construction, securing Premise Access License (PAL) Agreements with the MDU and marketing and lease negotiation with the MDU.

Results

As of the second quarter of 2012, TrueNet Communications has:

- Designed and engineered fiber outside plant serving over 1.0 million premises and representing hundreds of millions of feet of fiber in the states of Maryland, Delaware, New Jersey and Pennsylvania. The work has encompassed aerial, underground and buried plant serving both dense urban areas such as Jersey City and Baltimore and suburban areas such as Columbia, Maryland.

- Designed, engineered and constructed MDU ISP fiber pathways for 10’s of thousands of MDUs in New Jersey, Maryland and Washington DC. The work has included both large and small high-rise and mid-rise apartments and condos complexes of all types.

Today, TrueNet Communications continues to provide world-class fiber infrastructure design and engineering services in support of both Verizon’s 100% fiber network and its legacy telecommunications network.

SERVICES SUMMARY

- FTTP OSP design and engineering
- FTTP MDU ISP fiber pathway design and construction
- MDU Premise Access License Agreement obtainment
- MDU marketing and lease negotiations
- ICGS drafting, records posting and updates
- Quality auditing
Case Study FastFacts™

TRUENET COMMUNICATIONS
A leading communications and energy infrastructure engineering and specialty contractor providing planning, engineering and design, build and technical support services throughout North America, Mexico and the Caribbean

VERIZON
A global leader in delivering broadband communications services to its customers, its iconic FiOS broadband network is credited with being America’s most advanced fiber-optic network.

Project FiOS FTTP Phase I
- Designed FTTP OSP network serving over 1.0 million premises in the states of New Jersey, Maryland, Delaware, and Pennsylvania
- Established project offices near the work effort
- Staffed and trained local network designers on Verizon procedures, processes and systems
- ICGS drafting, records posting and updates
- Quality auditing

Project FiOS FTTP Phase II
- Design and construct MDU ISP fiber pathways in New Jersey, Maryland and Washington DC
- MDU Premise Access License Agreement obtainment
- MDU marketing and lease negotiation with property
- ICGS drafting, records posting and updates
- Quality auditing

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