



## FTTH Experience Using:



**Federated Telephone Cooperative**

Federated Telephone Cooperative of Chokio, MN was one of the early adopters of the Optical Solutions Fiber-To-The-Home (FTTH) system. With the help of Communication Consultants, Federated began one of the very first Rural Utilities Service's field trials in the small town of Alberta, MN.

Alberta is a very small rural town with approximately 50 households. Staking began in 1995 with construction in the summer of 1996.

With the successful deployment in Alberta and their belief in the technology, management and members of their board decided to continue with further deployments of the Optical Solutions product. In 2000, Federated began their deployment in their Chokio exchange. In addition, Federated Telephone Cooperative and Agrilite Electric formed HomeTown Solutions in 1999. HomeTown Solutions is a competitive local exchange carrier (CLEC) in the city of Morris, MN. While the Chokio deployment is a fairly small deployment of approximately 200 residences, Morris is much larger with approximately 2000 residences.



Communication Consultants and Communication Network Engineers have been an integral part of the Chokio and Morris deployments. In these deployments, our companies have been involved in all phases, including:

- Design
- Loan Applications ( Broadband and standard RUS loans)
- Staking
- Construction Supervision
- CAD
- Switching Upgrades
- Power Plant Upgrades
- Associated Special Equipment Selection

Our companies are also involved with two new Optical Solutions FTTH systems. They are :



**Baldwin Telecom, Inc.**

Baldwin, WI  
Larry Knegeford, General Manager  
Tel: (715) 684-3346  
[www.bldwn-tel.com](http://www.bldwn-tel.com)



**San Isabel Telecom, Inc.**

Gypsum, CO  
Doug Wagner, General Manager  
Tel: (970) 926-9476  
[www.sanisabel.com](http://www.sanisabel.com)

If you would like to discuss a FTTH solution, or any other telecommunications issue, please contact Gary Larson at (320) 354-2262.