



**MOBIUS**  
COMMUNICATIONS®

bbc.net

Internet · Security · Managed I.T.  
Fiber · Business Phones

## **MOBIUS\_NBBP FT ROB.SIOUX 22\_E**

Mobius Communications has been providing internet since 1998. Fiber was deployed in 1998 and 1999 in the Hemingford exchange. Dial up was the first product in Hemingford and in 1999, and later moved to DSL offering up to 10 meg.

Mobius has been offering internet speeds with a shared loop or split loop in Qwest towns in the Panhandle since 2000. Seeing the need in the rural area, Mobius built its first FTTH project in Berea, Nebraska. That project included 13 miles of fiber which is part of the Alliance exchange.

After Berea, Mobius built a 50-mile fiber project in Dawes County along River Road in 2012 and 2013. Mobius has continued to build areas in Dawes, Box Butte and Sioux Counties with FTTH. Larger jobs are contracted out to speed up deployment, but several small projects have been completed by the staff of Mobius. Most of our technicians have 15 to 20 years' experience with the deployment, installation and splicing of fiber.

Mobius has been deploying fiber since 2010 outside of the Hemingford exchange boundary. Typically, the company has done a minimum of one fiber deployment project per year. 2020 was our most ambitious year with 7 separate projects. Larger jobs with tight completion deadlines are often sub contracted to buried fiber contractors, while the Hemingford team largely handles the fiber splicing and customer equipment installations. Since 2010, Mobius has deployed over 900 miles of buried fiber.

The preference of Mobius has been to bury the fiber underground with depths of at least 4 feet to protect from cuts. We do not use aerial fiber which is exposed to wind, ice and squirrels. While some cuts do happen, as long as they are located and located properly, the occurrence of cuts has been minimal. Cuts that have needed repaired are immediately responded to and repaired. The physical longevity of the fiber has a minimum expectancy of 25 years, but they can and do last much longer. Fiber placed in conduit, as this project, will expand that life expectancy to 30 years or more. Fiber is an optimal solution for meeting the unprecedented demand of the future.

Although slower speeds are available, Mobius offers speeds of 100/100 meg up to 300/300 meg symmetrically. (Higher speeds are available upon request.) Up-load speeds and download speeds have always been symmetrical and Mobius has never throttled speed back or limited usage. Unlimited means unlimited.

Fiber deployment has a much longer life expectancy than other technologies. Most upgrades of the equipment, when needed, are of electronics and CPE and not the fiber itself. Upgrades are within our Central Office and do not result in inconvenience at the customer's home.

Mobius provides its' Fiber to the Home services through an all-fiber network connected directly to the home. Mobius has engineered, designed, constructed and maintained its networks since the first deployment in 2010. Mobius has service to over 550 customers in the rural areas of the Panhandle.

Mobius has designed rings to ensure redundancy, deploys symmetrically to provide fast and reliable service and monitors peak times.

## MOBIUS\_NBBP FT ROB.SIOUX 22\_E\_2

**Tonya Mayer** General Manager, 28 Years  
Telecommunications and Business Management

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**Kory Haas** IT and Director of Operations Manager, 23 Years  
Responsible for installing, testing and operating the "Fixed" FTTH system and initial customer premise equipment. Manages and incorporates the new systems into the existing Internet Infrastructure and Information Technology Networks.

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**Susan Morava** Chief Financial Officer/Marketing Director, 26 Years  
Responsible for financial models, budgeting, forecasting and product line analysis, marketing reports and programs.

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**Chris Weber** Outside Plant Manager, 20 Years  
IT, installation, wiring, networking, scheduling, troubleshooting.

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**Mark Klemke** Outside Plant Technician, 19 Years  
Installation, testing and operation of customer premise equipment with specific emphasis on wireless and FTTH. Responsible for mapping, planning and guiding FTTH projects. Trenching, Boring & Splicing.

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**Andy Kresl** Outside Plant Technician, 16 Years  
Installation, testing and operation of customer premise equipment with specific emphasis on wireless and FTTH. Responsible for mapping and guiding FTTH projects. Trenching, Boring and Splicing.

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**Shad Bryner** Computer Tech/Outside Plant Technician, 18 Years  
Installation, testing and operation of customer premise equipment with specific emphasis on assisting techs with customer installation & troubleshooting.

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**Zach Payne** Operations System Support 2 Year at Mobius & 12 years IT Support in Private Sector  
Information Technology, Installation, testing and operation of customer premise equipment with specific emphasis on assisting techs with customer installation & troubleshooting.

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**Cheryl Linegar** Regulatory Specialist/Executive Assistant, 20 Years  
Preparation of regulatory State and Federal Reports, correspondence between Management, Board of Directors and Employees, Broadband Mapping, liaison between Telecommunication Consultants and regulatory bodies establishing 313 telephone exchanges for the FTTH recently completed projects.

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**Joni Jespersen** Community Development, Marketing, 19 Years  
Community Enhancement, Grant Preparation and Research, Customer outreach for Community improvements, Economic Development, Marketing Materials, Publicity.

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**Nancy Swanson** Customer Service 25 Years  
Operations & Billing Support. Customer Experience and basic trouble shooting, Broadband Mapping and Coordination support. Billing & Regulatory assistance and support.