

Stealth Broadband — Noncontiguous Reasoning – Fremont to Omaha Rural

The Fremont to Omaha Rural Project is designed to bring affordable, reliable, and fast speeds to several unserved and underserved customers in Dodge, Douglas, and Washington Counties. Stealth Broadband staff have spent a great amount of time investigating the broadband needs of all subscribers throughout the project area. In determining the best path to serve the greatest number of customers, Stealth used the following criteria to develop the project area:

1. Stealth plotted all unserved (< 25/3 Mbps) locations between Fremont and Omaha
2. Stealth plotted all underserved (< 100/20 Mbps) locations between Fremont and Omaha
3. Stealth plotted all adequately served (> 100/20 Mbps) locations between Fremont and Omaha
4. Access to Stealth's existing fiber optic backbone is a must for this project and the most efficient location to access the existing backbone is at N Yager Rd and T Rd north of Fremont, NE.
5. In order to provide a level of redundancy to the customers across the project area, Stealth has worked with a partner to connect to dark fiber that exists at the East end of the project area.
6. Stealth reviewed the two options that exist for crossing the Elkhorn River
7. Stealth visited with rural residents of Washington County to verify speed data found online was accurate

The following reflects our findings after the above research took place:

1. There are locations where other telecommunication companies have deployed fiber to the home services along the route. Specifically, in and around Arlington, NE.
2. The most viable location to cross the Elkhorn River and serve the most unserved customers is along Hwy 30.
3. To have network continuity between the Dodge County portion of our project and the Washington County portion of the grant, Stealth must place facilities through Arlington along Hwy 30.
4. Census Blocks in the Arlington area were omitted from the project as they contain customers that are adequately served by other providers.

There are many more unserved and underserved residents in Eastern Dodge, Southern Washington, and Northern Douglas counties than what we are covering by this project. Stealth's plan is to engineer the project so that extensions can be added to address the needs of other residents not covered by this project.