

## **Stealth Broadband — Technical Capability Statement**

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### **a) Description**

Stealth was founded in 2016 with a vision of providing exceptional, affordable, and reliable high-speed Internet to unserved and underserved areas of Nebraska. Stealth has proved this by building our network, with our own funding, including 25 service areas in less than 7 years. Stealth is a Nebraska based company, owned by people from Nebraska. We have made it our goal to close the digital divide in Nebraska and help to ensure that future generations do not have to worry about whether or not their small community will thrive in years to come. We want to ensure future generations have the same opportunities larger communities have regarding access to broadband.

Our technical team has successfully delivered speeds of over 100 Mbps for more than 5 years. Our company has shown such great success that we have wait lists for each town that we are applying for. For any given service area, we will have 6 technical staff designated to those specific areas. If granted the funds to build the proposed areas, we will continue to serve customers just as we have for 5+ years. In addition, Stealth has already completed 3 of our 6 projects that we were awarded in January of 2022 through the 2021 Nebraska Broadband Bridge Program.

- Lake Oconee is closed out with 45 customers connected and enjoying 500+ Mbps speeds.
- Elgin is complete with 96 customers connected and enjoying 500+ Mbps speeds. Elgin is in the speed-testing phase, which will be complete by April 1, 2023.
- Duncan is complete with 38 customers connected. Duncan is in the speed-testing phase, which will be complete by April 1, 2023.
- Duncan Lakes, Oakdale and North Antelope County all have engineering complete and are in the construction and splicing phase. All projects will be closed out by July 1, 2023.

### **b) Useful Life**

Stealth's plan is to build a 100% fiber optic network to serve the customers within this project. The fiber, duct and grounding utilized has a 20+ year useful life. Electronics generally have 7+ year useful life, however Stealth is starting with XGS-PON, which is capable of 10Gbps speeds to every home.

This should help extend the useful life of the electronics. Stealth maintains its own staff of locators that respond to 811 dig tickets. Stealth also has an agreement with Bauer Underground and Turnkey Telecom to provide restoration services should the fiber optic network be damaged. The most common component of the network that fails is the ONT inside the home. This is mostly due to electrical surges and lighting. Stealth maintains spares of all equipment and is quick to respond to customer troubles.

### **c) Resiliency / Sustainability**

Stealth's backbone network is fully protected down to the data cabinet or central office that feeds the customers. From the data cabinet out to the customers there is no protection. Each house must connect directly back to the data cabinet that is feeding it. Stealth currently has the following technical resources to manage the network:

- (4) Senior level network technicians
- (2) Junior level network technicians
- (5) Broadband installation technicians
- (1) Outside plant manager
- (1) Network operations manager

### **d) Useful Life**

Please refer to section (b).

### **e) Network Details**

- Homes Passed (75)
- New Fiber Miles (55.7)
- Existing Fiber Miles Used (13)
- Technology – XGS-PON

### **f) Technical Capability**

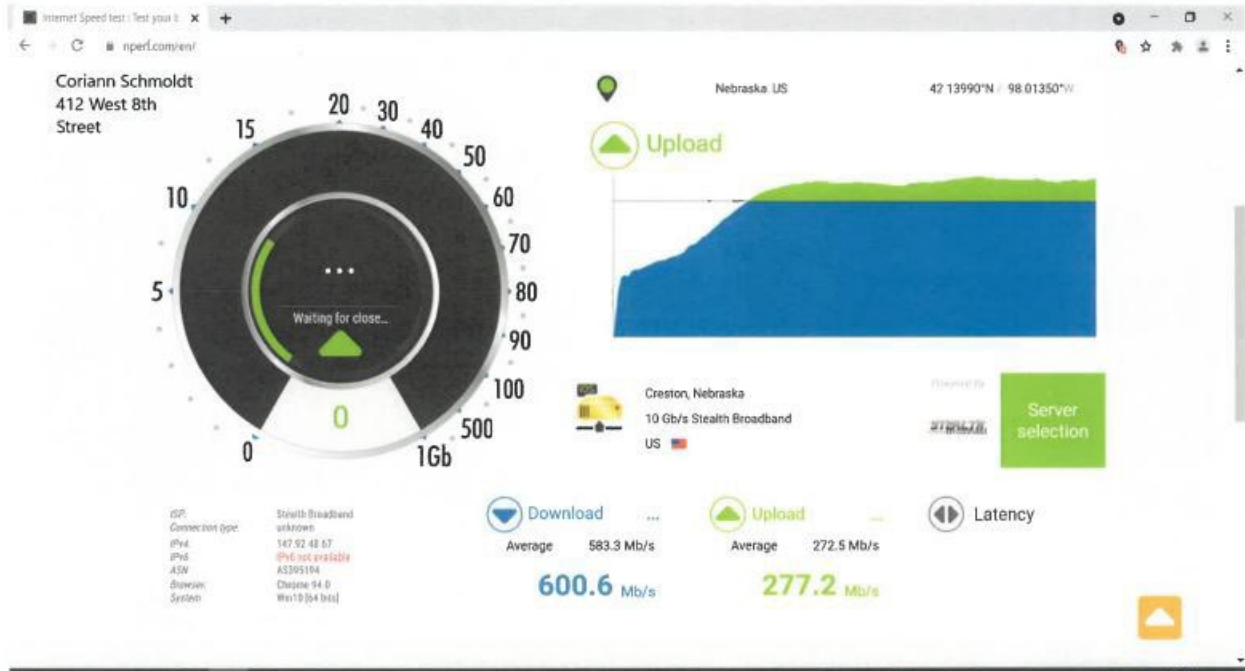
All Stealth fiber to the home deployments in place today and planned for the future meet the 100/100 Mbps standard. In fact, Stealth does not sell Internet service to subscribers at speeds less than 500/500

Mbps. In addition to the PON technology Stealth uses, the backbone network is constantly monitored and upgraded as needed to always have enough bandwidth available to provide full speeds to the customers. Stealth has 3 Internet drain points on the network and monitors utilization to ensure bandwidth is available to customers even during peak utilization.

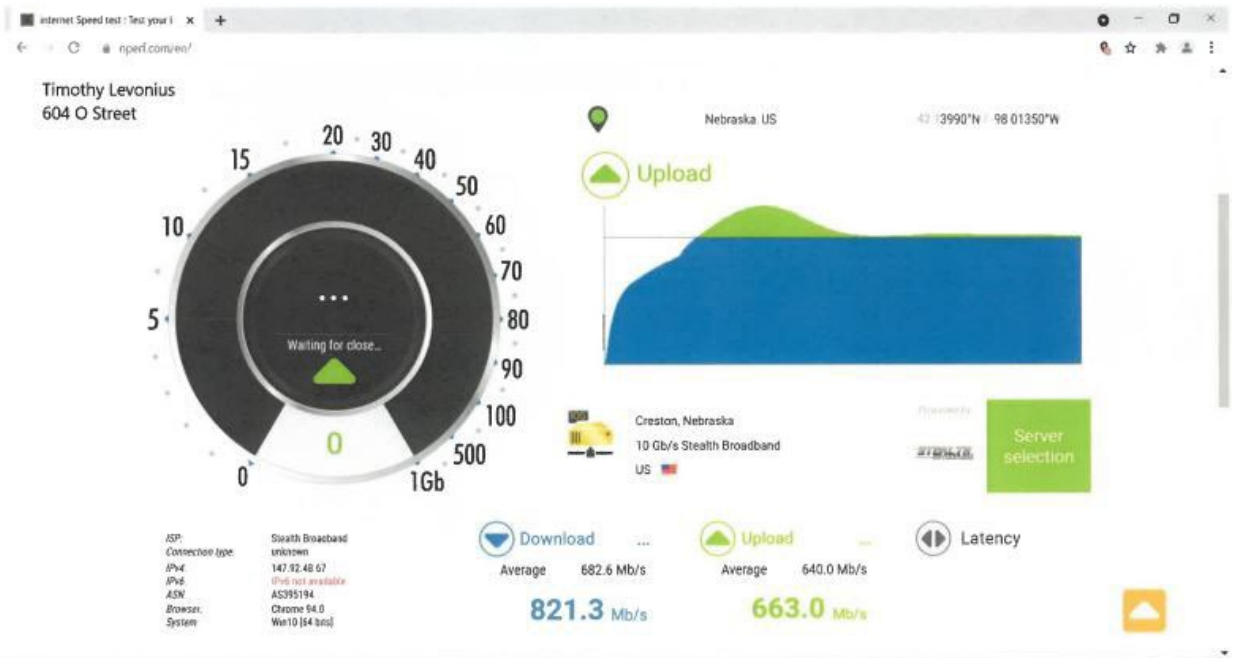
Stealth has the experience and staff to manage and maintain this project.

To prove that we are serving customers more than 100/100 megabytes per second, please see attachments 1 through 4 from our Neligh Fiber to the Home expansion.

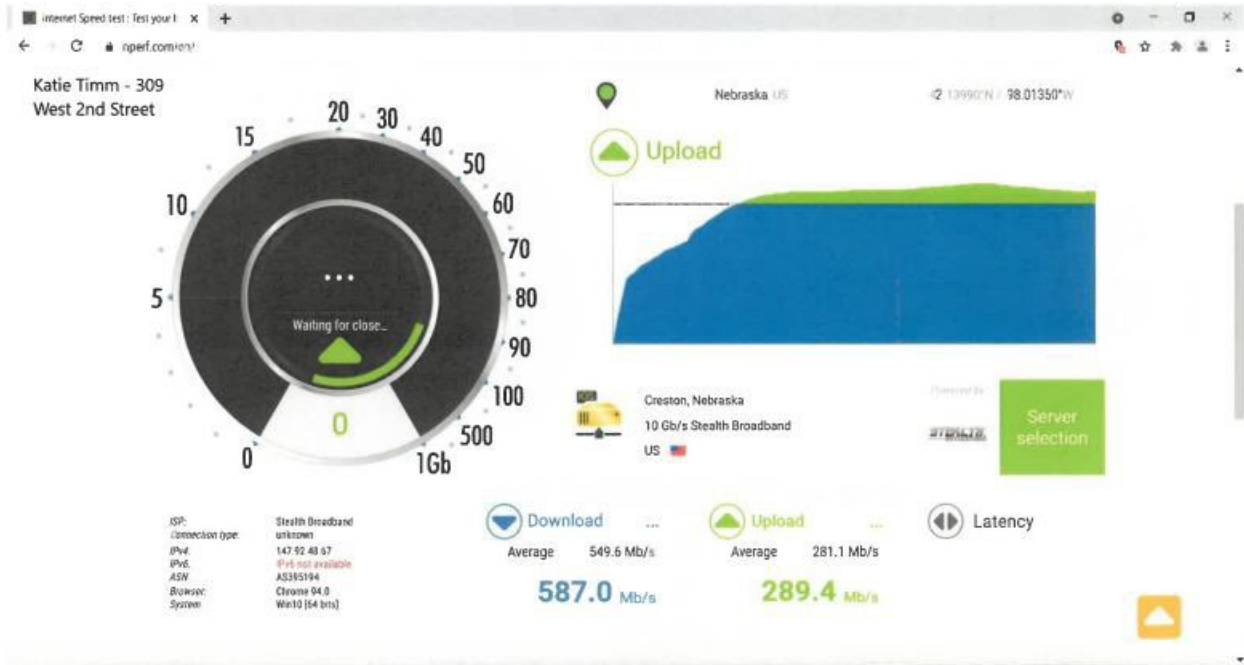
Attachment 1 — Coriann Schmoldt — 412 West 8<sup>th</sup> Street — Neligh, Nebraska



Attachment 2 — Timothy Levonius — 604 O Street — Neligh, Nebraska



Attachment 3 — Katie Timm - 309 West 2<sup>nd</sup> Street - Neligh, Nebraska



Attachment 4 — Chad Werner - 305 F Street - Neligh, Nebraska

