

A decorative graphic in the top-left corner featuring a network of interconnected nodes and lines. Some nodes are solid blue circles, while others are white circles with blue outlines. The lines are thin and gray, creating a web-like structure.

Internet Fiber Optic Connectivity Project

North Boone CUSD 200

Board of Education Meeting

February 18, 2020

A decorative graphic in the bottom-right corner, mirroring the style of the top-left graphic. It shows a network of nodes and lines, with some nodes highlighted in blue and others in white with blue outlines.

E-Rate and State Grant

North Boone has an opportunity to take part in an E-Rate and State Grant to provide fiber optic connectivity to school districts.



Illinois State Board of Education

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James T. Meeks
Chairman


Fiber Optic State Match Grant

Tony Smith, Ph.D.
State Superintendent of Education



Approval

We are only seeking to complete this project if all of the E-Rate and State funding are approved for the initial fiber optics work, and new high speed Internet/WAN maintenance contracts. 70% E-Rate 30% State Match Grant.



Project Goals

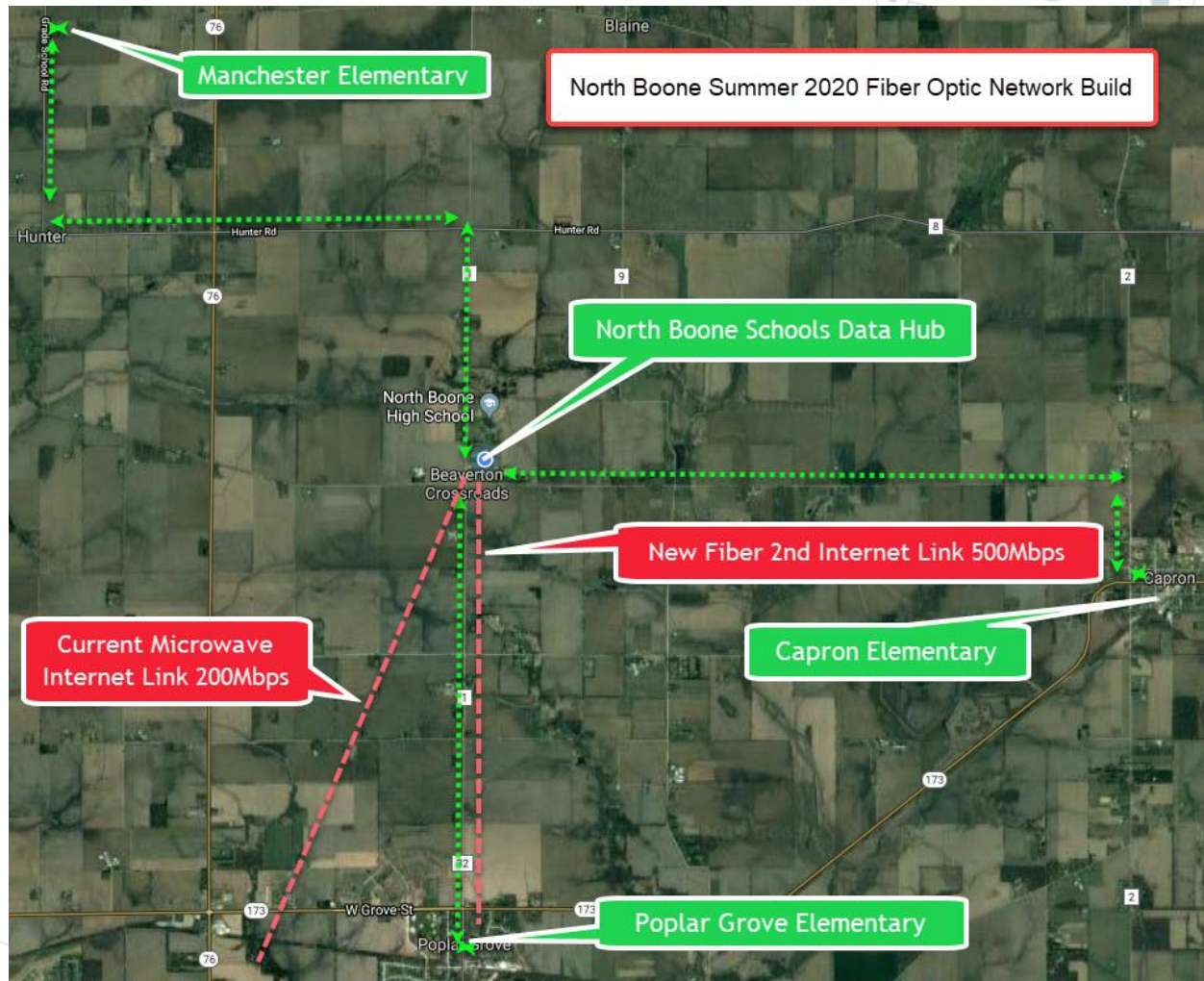
- ◎ Bring high speed Fiber Optic WAN network and Internet connections from our main campus to each of our elementary campuses
- ◎ Future Proof our Internet with installation of Fiber Optics while working to meet the FCC suggested student 1mbps standard.
- ◎ Over the next 2 years, reduce costs and gain higher bandwidth.

Project Outline

1. Run Fiber Optic network connections between our main campus and our Elementary campuses (10Gbps)
1. Bring multiple high speed Internet connections to our main campus. (700Mbps)

10Gbps fiber From
Network Hub To
Elementary Campuses

700 Mbps Combined
Internet Connections



Project Costs

- ◎ Cost for fiber optic WAN installation \$631,959.50
- ◎ Total cost to North Boone: \$0
- ◎ *If North Boone is approved for E-Rate and the State matching grant there will be no up-front out of pocket costs for Fiber Optic installation. Our agreements state that the projects will not start unless we have board approval, and both grants are approved.

Internet Cost

- ◎ 3 year Internet, 5 year WAN contracts.
- ◎ Yearly Internet/WAN costs after E-Rate discount:
\$16,252.00
- ◎ Plans to bring costs down to \$8,332.20 within 2 years.

The background of the slide is a light gray network pattern. It consists of numerous small circles, some of which are solid gray and others are hollow with a gray outline. These circles are interconnected by a web of thin, light gray lines, creating a complex, organic structure that resembles a molecular or neural network.

Questions