Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Robin Collins
Applicant ID	APP-004763
Company Name	Eagle
Recipient Address	Eagle 660 E Civic Ln Eagle, ID 83616
Phone	(208) 939-6813
Email	rcollins@cityofeagle.org
Amount Requested	$263,442.48
Status	Submitted
Funded	☐

Application Title: Downtown Eagle Broadband Access

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

City of Eagle
Robin Collins / Economic Development Director
P.O. Box 1520
Eagle, Idaho 83616
rcollins@cityofeagle.org
208-489-8755

Question: List the cities/communities in the census blocks where the project(s) will take place.

Eagle, Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Robin Collins, Economic Development Director
rcollins@cityofeagle.org
208-489-8755

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The City of Eagle recognizes that now more than ever, efficient and affordable broadband services is critical. Many companies have switched to a new way of doing business through teleworking, more children are learning from home, residents fear or are unable to attend in-person health visits and desire the ability to do telehealth visits, and the ability for businesses to enhance their technology is integral to their economic survival. This project will allow citizens , business owners and employees to access the internet through a free high-speed broadband network which will connect public facilities in addition to providing a location for people to gather and yet still be socially distanced. The project would include bringing fiber extensions from City Hall to the public Museum, to the Senior Center, and to Heritage Park. The fiber would be pulled through the existing conduit from the City Hall vault located behind City Hall. From that point, underground fiber optic cables will be placed to serve the public Museum within the City Hall campus.
An additional run of conduit and fiber will extend from the vault down the north side of the city hall campus, cross over Stierman and extend west down Idaho Street to the Eagle Senior Center. From there it will continue south on 2nd Street, across State Street and connect to serve Heritage Park in Downtown. The project would include four (4) new wifi access points (Heritage Park, Senior Center inside and outside, and the Museum) and an enclosed hub addition to an existing structure within Heritage Park. The project will enable a fiber-optic network that will provide a minimum of 1,000 Mbps symmetrical (download and upload) service to public facilities

while also providing free access to wifi at these locations and within 100 meters of the access points. Heritage Park and the Senior Center are will of serving up to 250 citizens, while the City Hall campus would be capable of serving up to 500. This project will be a City owned asset, but the City will contract only with private sector ISP's to provide internet service over the broadband network.
This critical project will ensure that our local government has vital monitoring connections to public facilities, and ensures businesses, residents, students, teachers, employees, and visitors have access to sufficient broadband services that result in purposeful outcomes such as improving opportunities for teleworking, improving access to telehealth services, facilitating distance learning, improving public safety, broadband affordability, and digital inclusion. The funds will be used for the construction of the broadband system, to include; conduit, fiber, fiber optic electronics and equipment, fiber optic hardware, lighting the fiber and providing wifi access points. The funds would also pay for the construction of a hub enclosure at Heritage Park. This will be the first phase of a much broader city-wide broadband infrastructure project. The City has earmarked $3 million of their ARPA dollars for future broadband infrastructure of Phase II.

For this project, the City will use the grant funds to purchase hardware (switches, routers, WiFi, etc) and pay for the construction, pulling the fiber and lighting up the system, in addition to the construction of an enclosed hub addition to an existing structure in Heritage Park.

Direct and indirect beneficiaries of this project include:
1. Households
2. Public school facilities and students for access to online distance learning and tele-education.
3. Businesses looking for network reliability, and/or seeking to expand their operations and services through advanced and new technology.
4. Telecommuters that are working from home either by choice or as a requirement of their employer.
5. Local government facilities.
6. Visitors through public access to WIFI.
7. Medical facilities by providing access to utilize telehealth services.
8. Greater access to emergency service

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

Providing fiber access to public facilities and parks will ensure digital inclusion and equal access to all. The City is working towards an overall broadband master plan and partnerships with other agencies to enhance the needs of our community and invest in local capabilities to help school aged children, parents, educational leaders and citizens continue and expand their educational opportunities for future success. The proximity of the city park, senior center, and the city hall campus to commerce and residential areas makes it a logical location to place WIFI capabilities. Currently, broadband service is expensive within the area is spotty and is often very slow or drops sporadically. In addition, there are a lot of areas within Eagle that do not have broadband at all, providing free public places for wifi connection will enhance the residents of Eagle to access critical services such as teleworking capabilities, telehealth and distance learning.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

This project meets the Cares Act Criteria by covering the expenses to facilitate further access and reliability of services to accommodate distance learning, expenses to improve infrastructure

and telework capabilities for public and private employees, and residents. It also provides for expenses to enhance infrastructure placement for the health, safety and welfare of the Downtown area, which includes the location of the Eagle Fire Department and Eagle Police Department. The completed infrastructure would allow teachers, students, business owners, city officials, public employees, emergency personnel, and residents to access free WIFI and be better prepared to address a future public health emergency by allowing for more reliable, efficient, fast and affordable capabilities for teleworking, telehealth, distance learning, and public safety.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

- ☐ Yes
- ☑ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

The build when complete will be owned by the City of Eagle and will provide FREE Wi-Fi to public facilities (Heritage Park, the Museum and the Senior Center. In addition, those businesses and residents within a 100 meter radius from the four access points (Heritage Park, 2 at the Senior Center, and public Museum) could access the free Wi-Fi routers. Public access points currently exist at the Public Library and City Hall only. It will also provide free 24/7 public access outdoors at the City Hall campus, Senior Center, and Heritage Park. This is Phase I of the City's Broadband Infrastructure plan. In 2023, the City will be putting in underground conduit for future fiber along Aikens, Eagle Road from Plaza to State Street, and along State Street from Olde Park to 2nd Street. The project, once fiber is pulled and lit will provide free Wi-Fi in the downtown core. Phase II will also include laying conduit and fiber throughout other areas of the City.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

There will not be any project match for this particular phase of the project. However, the next phase of the project will be for the City to use funding to further expand the fiber network outward from where this project ends. The extension will go south down 2nd Street to E Plaza, connecting to a mixed use development that will have 345 residential units. It will also extend west on Idaho Street to Eagle Road and North on 1st Street to connect to an existing city owned fiber network at E Mission Drive. The City is committed to investing in fiber through the City of Eagle over the next 5-10 years. In addition, the City will be having conversations with Ada County to partner on providing broadband access to unincorporated areas within the City of Eagle's impact area, and the City is currently having discussions with ISP providers to establish

a partnership whereby when they have trenches open, the city could run conduit as well for future fiber. The City has also been communicating with the ISP provider that will be doing a very large project for the West Ada School District where they will be providing fiber to all the schools in Eagle. In these discussions, the City is negotiating how to piggyback onto the project and for the city to increase their fiber network backbone within the areas as well.

Question: Estimated total project cost?

263442.48

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

Approx. 67 residential units may be able to access free wifi in this Phase of the project, however, direct connection to houses and businesses are not part of this phase, but because we will be broadcasting exterior access points, anyone within 100 meters may be able to access it.. This does not include the households that could use free wifi at the actual public park and facilities. The number of households will increase over the next 3 years as two more phases in the project are completed. One of the phases will be where West Ada School District brings fiber to all schools within Eagle, and the City will bring fiber down Eagle Road, Aikens, State street, 2nd Street, down Stierman and over to connect the households near Hill Road.

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

The cost per households will be free for any that are within 100 meters of any of the four (4) access points (Heritage Park, Senior Center, City Hall and Library), and are able to access the wifi, however, we recognize the speeds may not be at the maximum 1Gigabit at this time. However, Heritage Park, the Senior Center and the Museum currently do not have public wifi and this project would allow us to serve up to 250 individuals at the Heritage Park site, 250 at the Senior Center site, and over 500 at the City Hall campus site as each of these sites will be broadcasting wifi externally.

Question: What is the maximum broadband speed that will be provided by the project?

One gigabit per second (Gbps) which is equivalent to 1000 megabits per second (Mbps) connection (symmetrical). However, this project will not be connecting to businesses or houses as this is the first phase of the broadband infrastructure with the goal being to connect public facilities and provide exterior 24/7 access to wifi. Currently there is no public wifi access at Heritage Park, the Museum and the Senior Center, so we would be able to provide future speed tests for these locations to show improvement.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes. The City owns all of the properties where fiber access points will be provided. A large portion of the conduit and fiber will run on City owned property or within the Ada County Highway District right of way. An existing public utility easement exists on the property west of N. Stierman Way. The City will need to obtain permission from the property owner who owns the property located east of the Senior Center off of Idaho Street. However, those discussions are taking place currently. All other permits, permissions and zoning requirements are in place with

the exception of a permit and license agreement from Ada County Highway District, which will be obtained when and if the City receives a grant award.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

The City of Eagle will have ownership of the broadband infrastructure. Tayo will be the ISP provider at this time. In the future, as the City completes construction of the City owned fiber network, the end user would have the ability to select from various ISP providers and could change them from one to another with just a click of a button.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The project will be administered by the the Economic Development Department, with direct coordination with the City Clerks (Finance) Department and Long Range Planning and Projects Department. Two (2) Project Managers will be assigned to the project (one from I.T. and one from Public Works Department) and they will be responsible for verifying the project is on schedule, work is complete and correct, and payments and invoices are approved, routed, and tracked accordingly, as will the administrator. The City of Eagle has a purchasing policy in place. All invoices, receipts, purchase orders, etc. have to be approved by the project manager and the department head that oversees the budget line item prior to submitting the same to the City Clerk's office for payment. However, that person will never be someone in the City Clerks or Treasurer's office to avoid conflict or perception of such. To assure adequate cross-check and internal control, the City Clerk's office reviews each invoice and receipt as they are processed to verify compliance with state statutes, city policies and the City's annual appropriation ordinance. State of Idaho bid laws will be followed. Monthly reconciliation reports are ran to balance all accounts on both receivables and payables, and to ensure a balanced budget. Annual audits for the City are also conducted thru an independent contractor in accordance with State of Idaho guidelines and GASB. If a single audit is required for these funds, that same auditor will also conduct the appropriate audit for those funds.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

The City has not received or been awarded federal CAFII/RDOF/USDA Reconnect funds in the past two years. The City will receive federal ARPA funds and those are earmarked for additional broadband fiber infrastructure in adjoining areas and other areas within the City.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

The Eagle Library has received E-Rate funds for Category II equipment for on-campus Wi-Fi only. These funds would not be allowed for this project as they have to be used for the library only. The City received Cares Act money that was not used for broadband infrastructure. Cares Act money was also used for small business grants per the State of Idaho.

Question: Include any other relevant information as to why your project should be considered for funding.

Because Eagle is a smaller community, there are many areas within our community that have very poor broadband service or no service availability at all. ISP providers are reluctant to spend the money to install infrastructure as the investment is much higher than the potential return. Therefore, Eagle is committed to providing free wifi in areas that may be accessed by the public 24 hours a day, 7 days a week. This project would provide outdoor open public access to free and reliable wifi service at the city's public park (Heritage Park), the senior center, and city hall campus. In addition, citizens would be able to access free wifi capabilities within any of the city government buildings when they are open (City hall, library and museum). Currently the library and City Hall are the only ones connected.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

742 E State Street #170 Speed Test.pdf (7/16/2021 2:45 PM)
312 E State Street Speed Test.pdf (7/16/2021 2:35 PM)
742 E State Street Speed Test.pdf (7/16/2021 2:29 PM)
99 E State Street Speed Test.pdf (7/16/2021 1:28 PM)
342 State Street Speed Test.pdf (7/16/2021 12:44 PM)
238 State Street Speed Test.pdf (7/16/2021 12:44 PM)
Speedtest for 660 E Civic Lane Eagle Idaho.pdf (7/16/2021 12:44 PM)
222 State Street Speed Test.pdf (7/16/2021 12:43 PM)
127 State Street Speed Test.pdf (7/16/2021 12:43 PM)
132 State Street Broadband Test Speed.pdf (7/16/2021 11:00 AM)
209 Stierman Way Speed Test.pdf (7/16/2021 10:56 AM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

Overview_proposal_fiber_maps_final.pdf (7/16/2021 1:14 PM)
proposal_fiber_maps_3.pdf (7/16/2021 1:13 PM)
Project Map with all Equipment Listed.pdf (7/16/2021 12:55 PM)
Proposal_shp.zip (7/16/2021 12:52 PM)
Downtown Broadband Infrastructure Project Map.kmz (7/16/2021 12:49 PM)
Fatbeam Grant Proposal - Final.pdf (7/16/2021 12:12 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho Broadband Fund Broadband Grant_Budget.pdf (7/16/2021 12:13 PM)
Fatbeam Grant Proposal - Final.pdf (7/16/2021 12:12 PM)
Equipment Budget.pdf (7/16/2021 9:52 AM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Construction Schedule in Commerce Format.pdf (7/16/2021 12:16 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Cares Act Certification Form Signed.pdf (7/16/2021 9:10 AM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

Support Letter from Flor De Sol Boutique.pdf (7/16/2021 12:56 PM)
Wild West City of Eagle support letter broadband.pdf (7/16/2021 12:48 PM)
Eagle Chamber of Commerce Support Letter.pdf (7/15/2021 10:47 AM)
Letter of Support from Meg Glasgow.pdf (7/15/2021 10:47 AM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

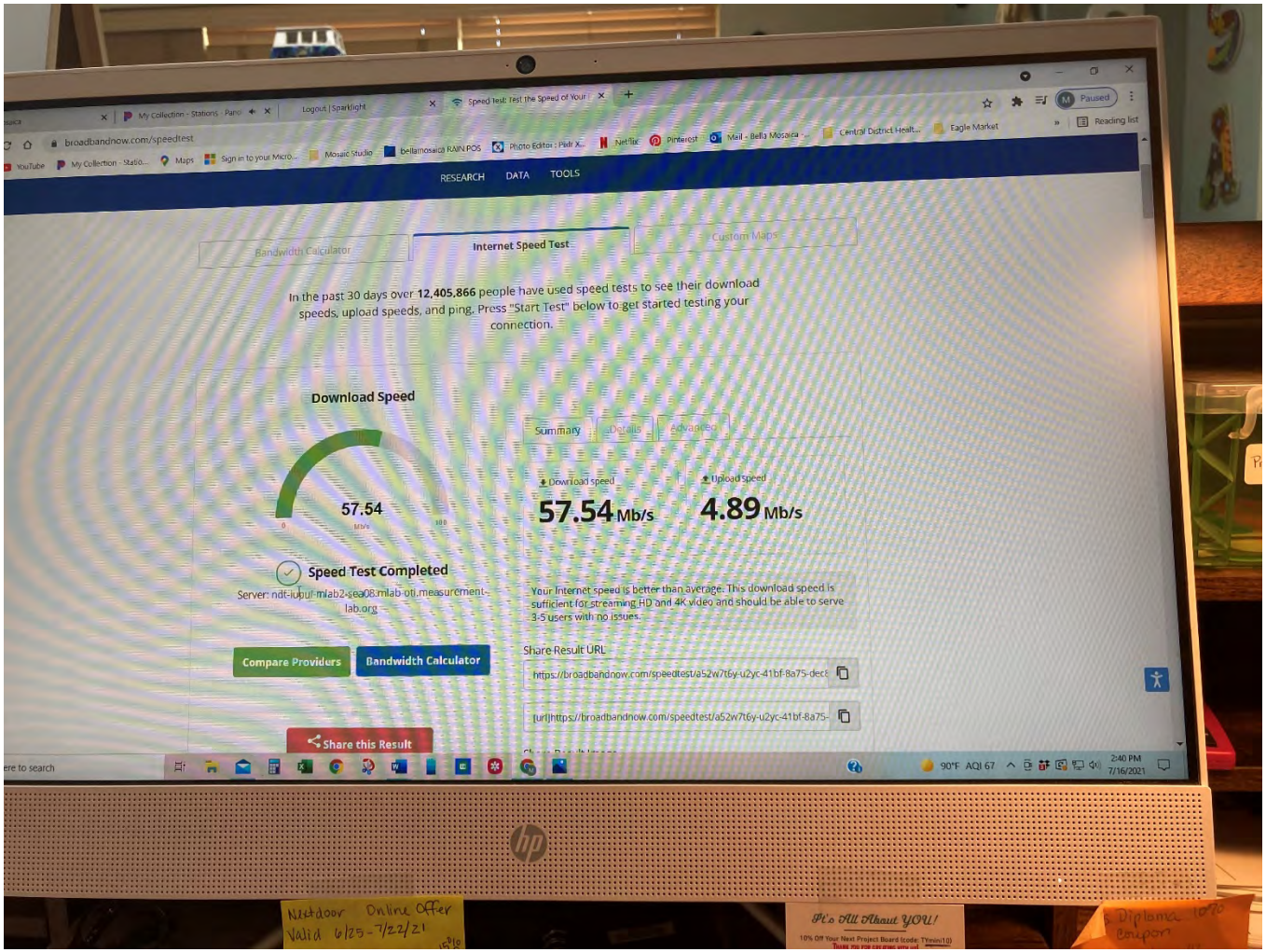
Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

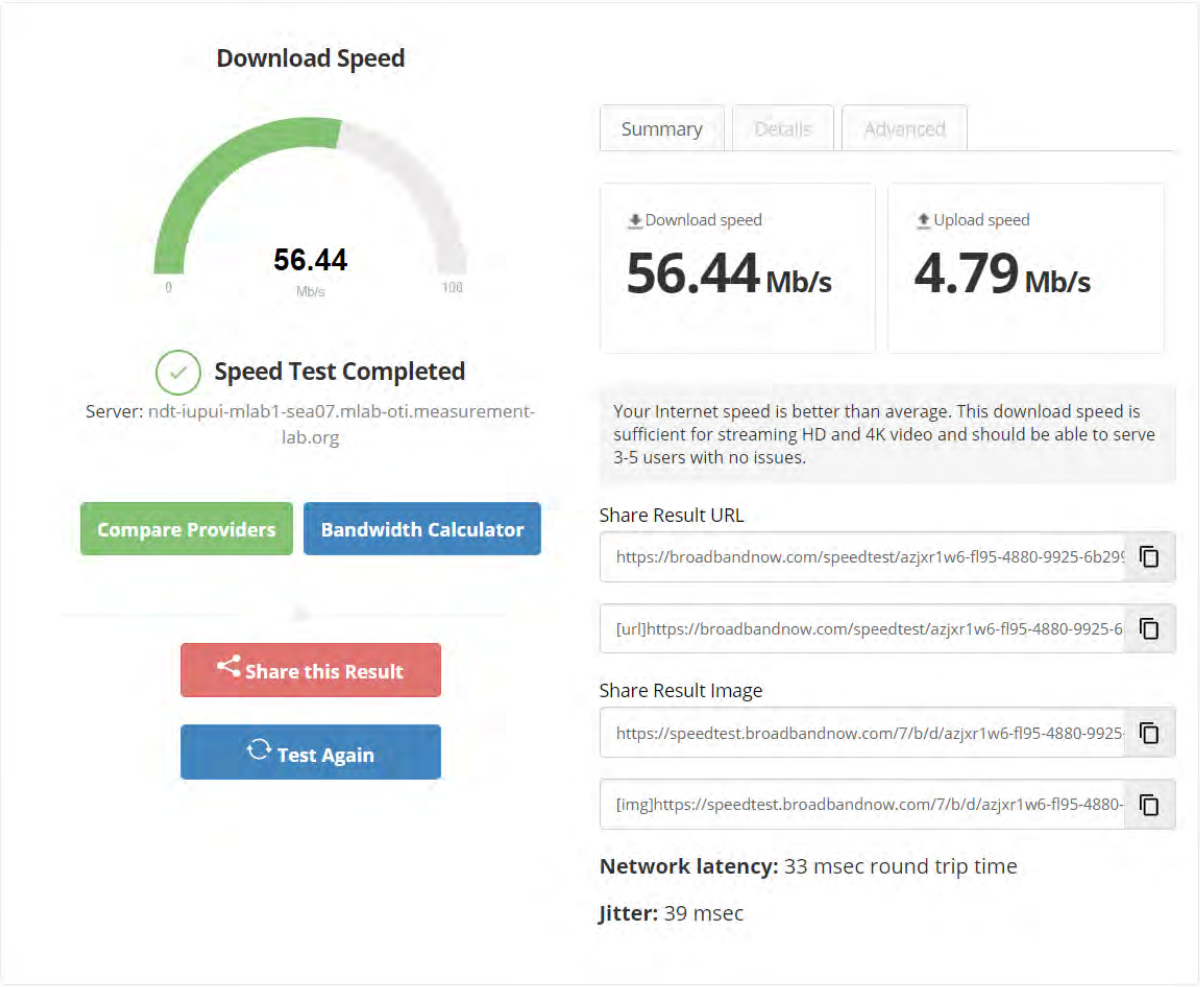
Question: Any applicable Site Plans, studies, or photographs.

Downtown Broadband Infrastructure Project Map.kmz (7/16/2021 12:36 PM)

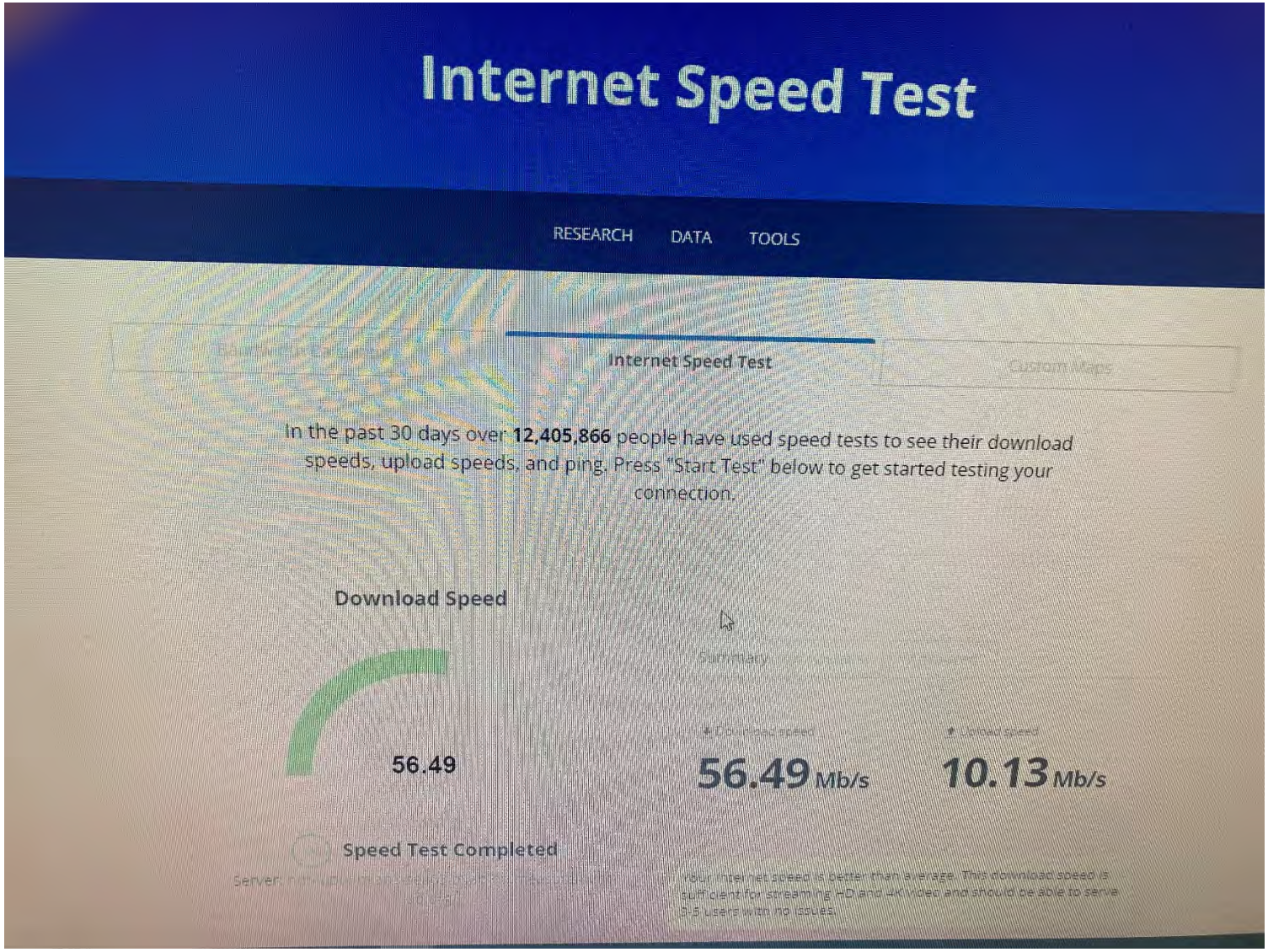
742 E. State Street #170 Speed Test



Meg Glasgow
FINER FRAMES
132 E State Street
Eagle, ID 83616
meg@finerframes.com
7/14/21



742 E. State Street Speed Test



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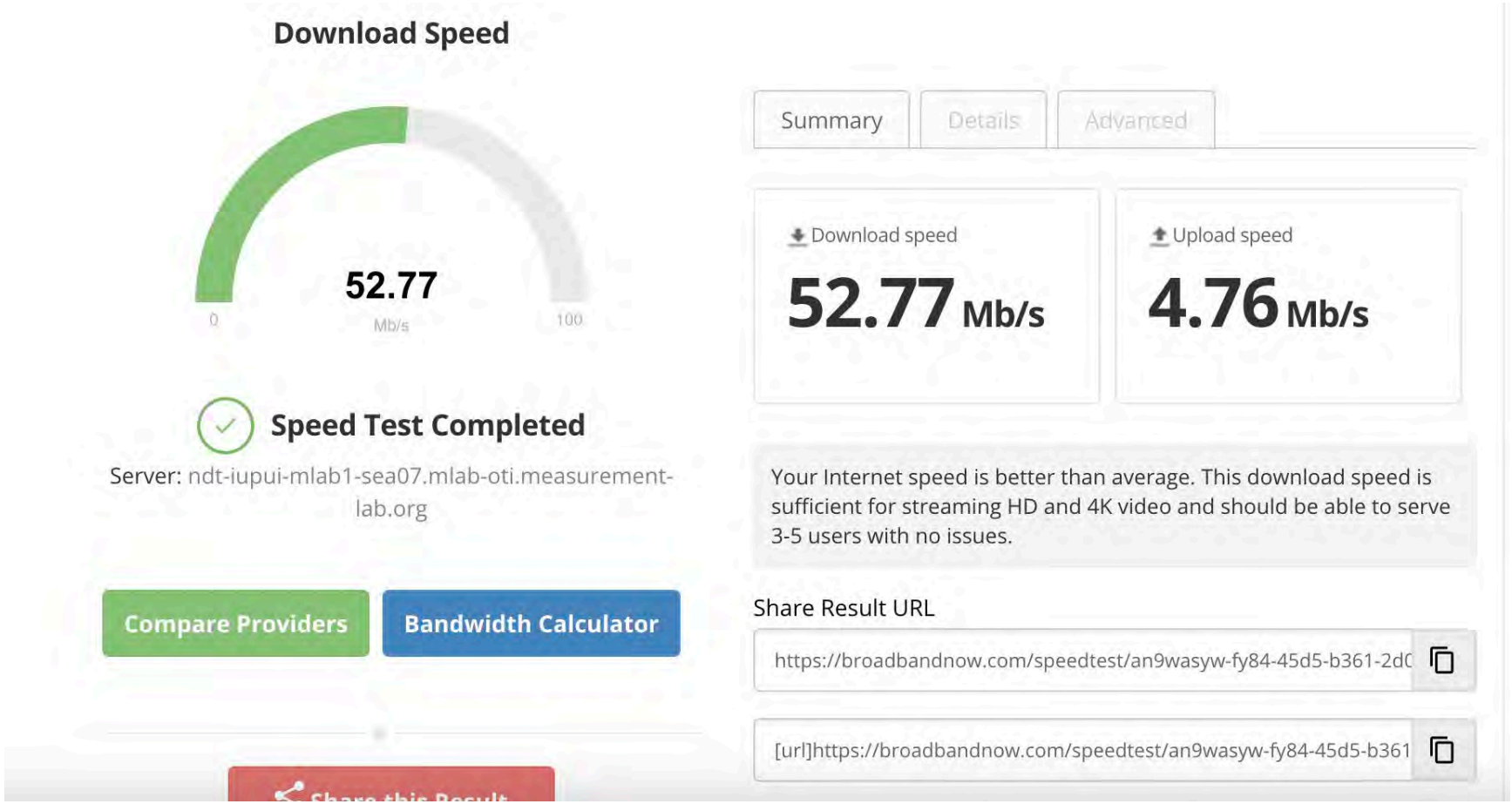
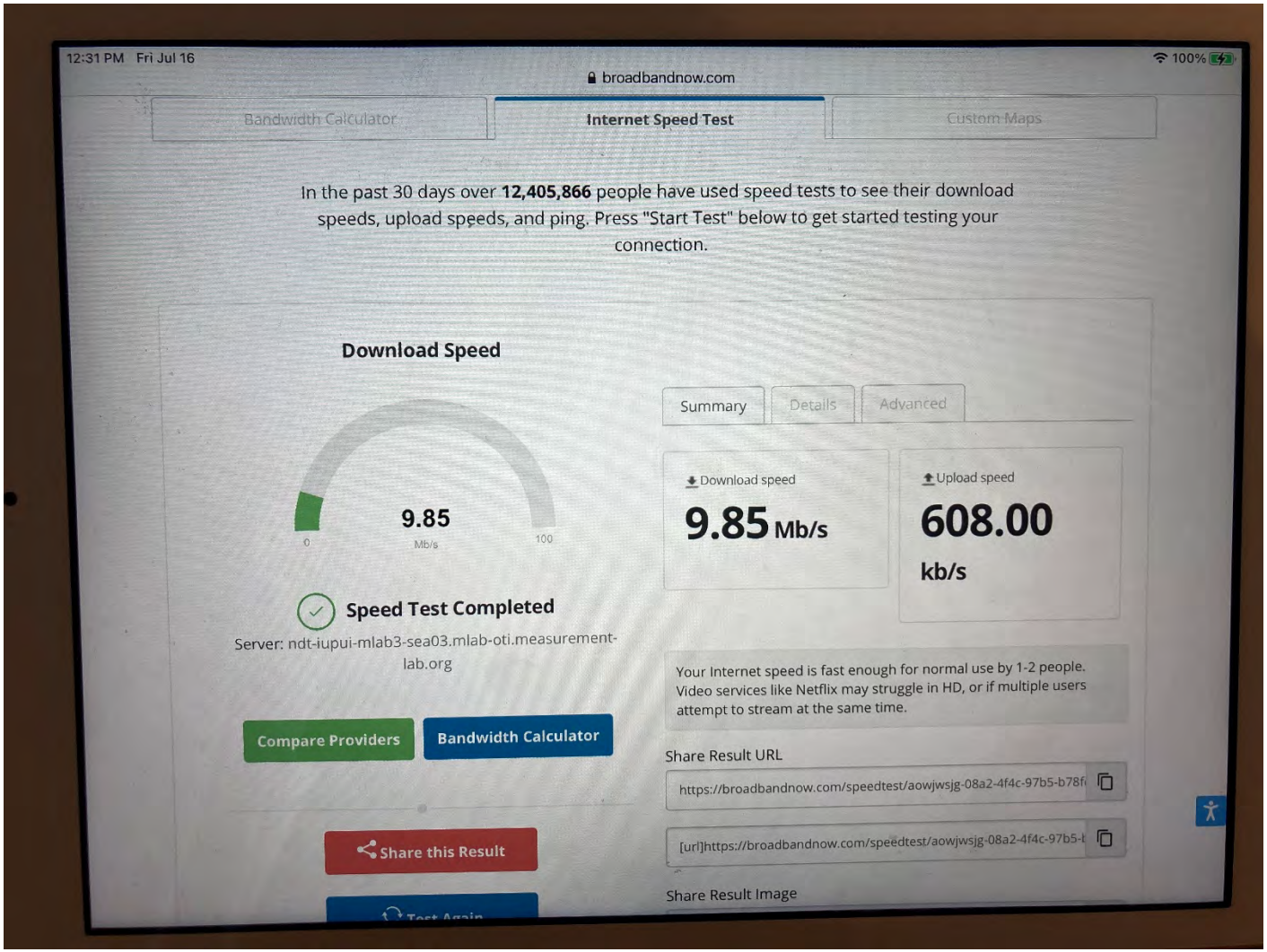
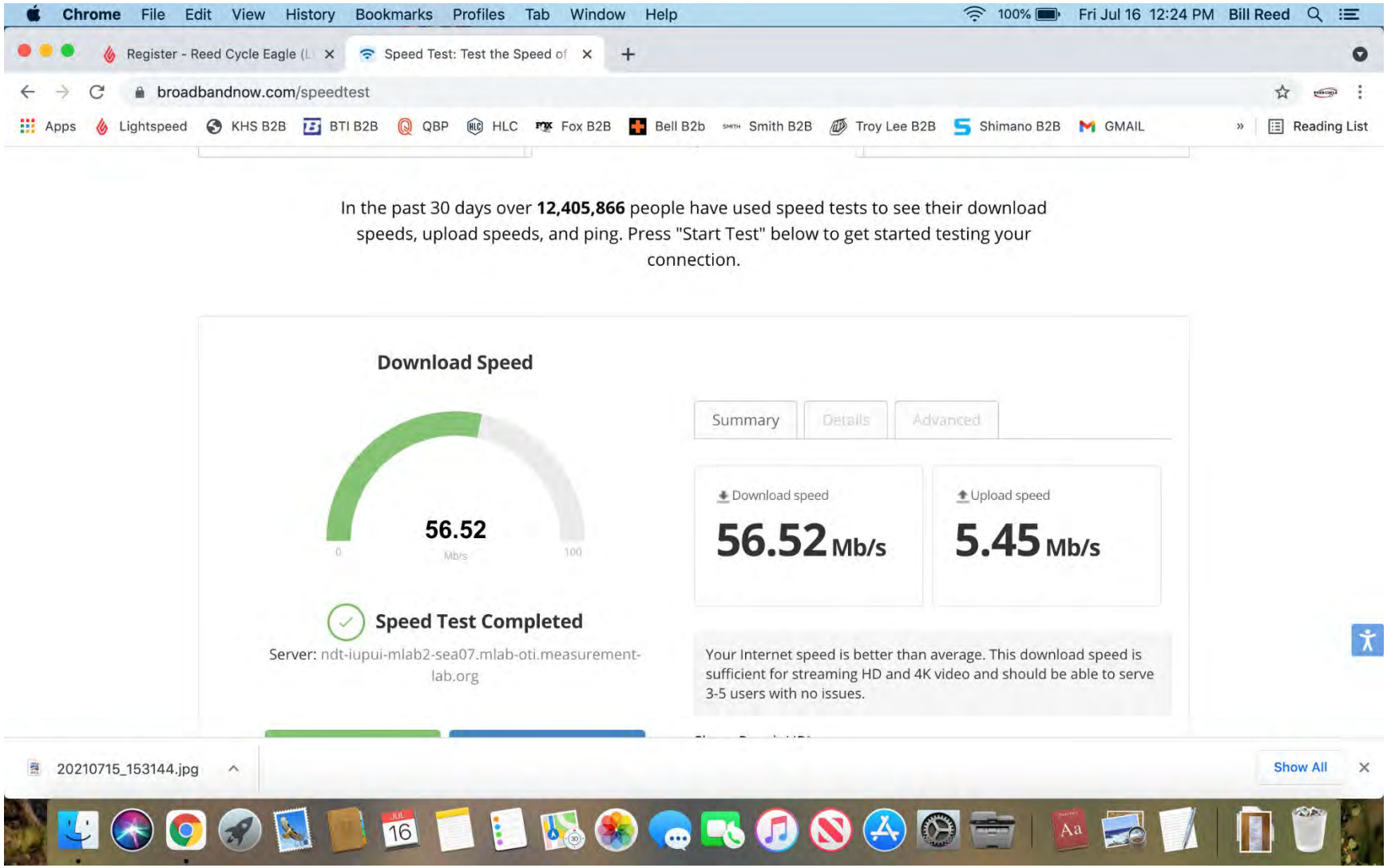


342 State Street Speed Test



238 State Street Speed Test



IDAHO COMMERCE

SPEEDTEST

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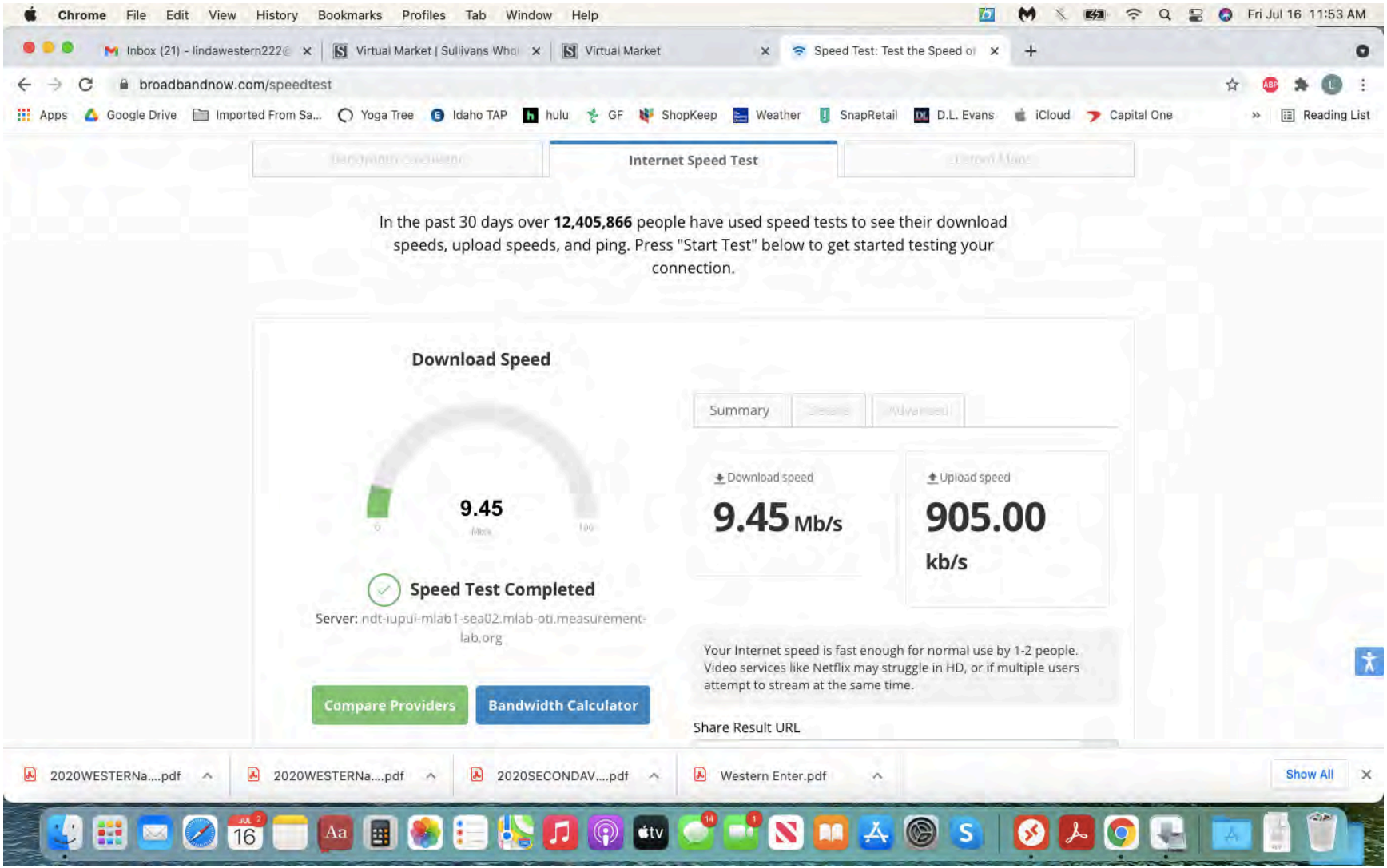
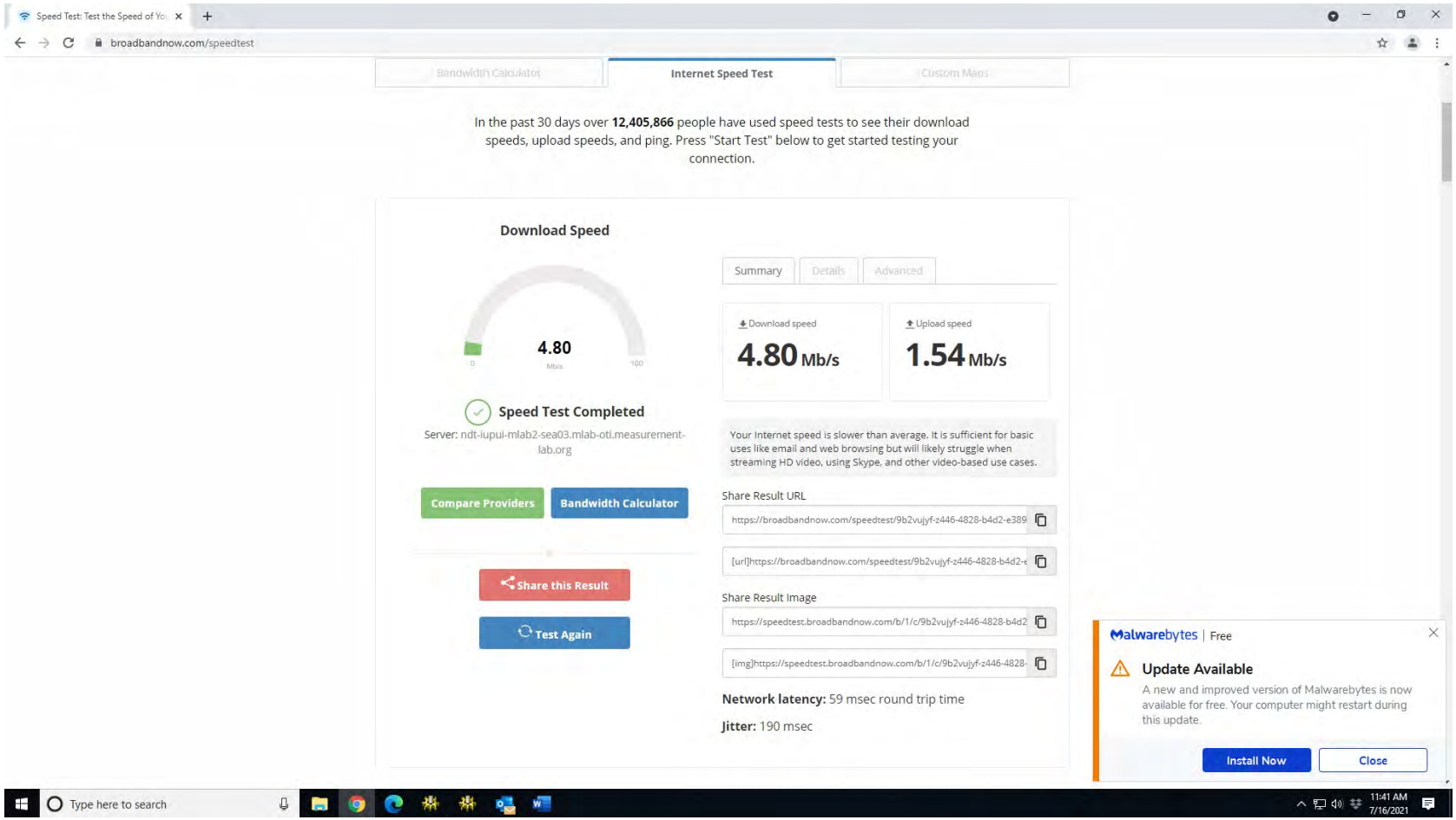


127 E. State Street Speed Test



Meg Glasgow
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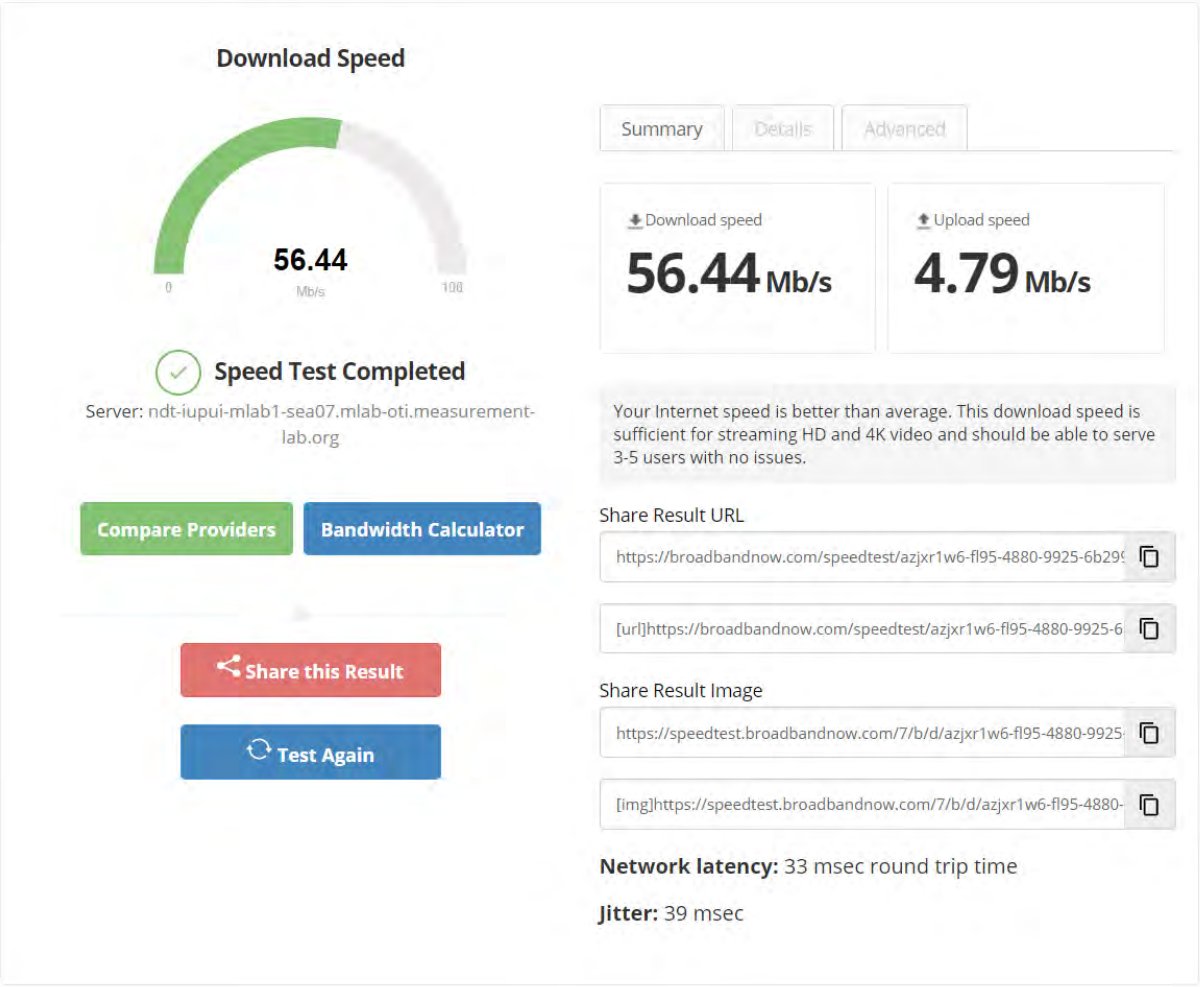

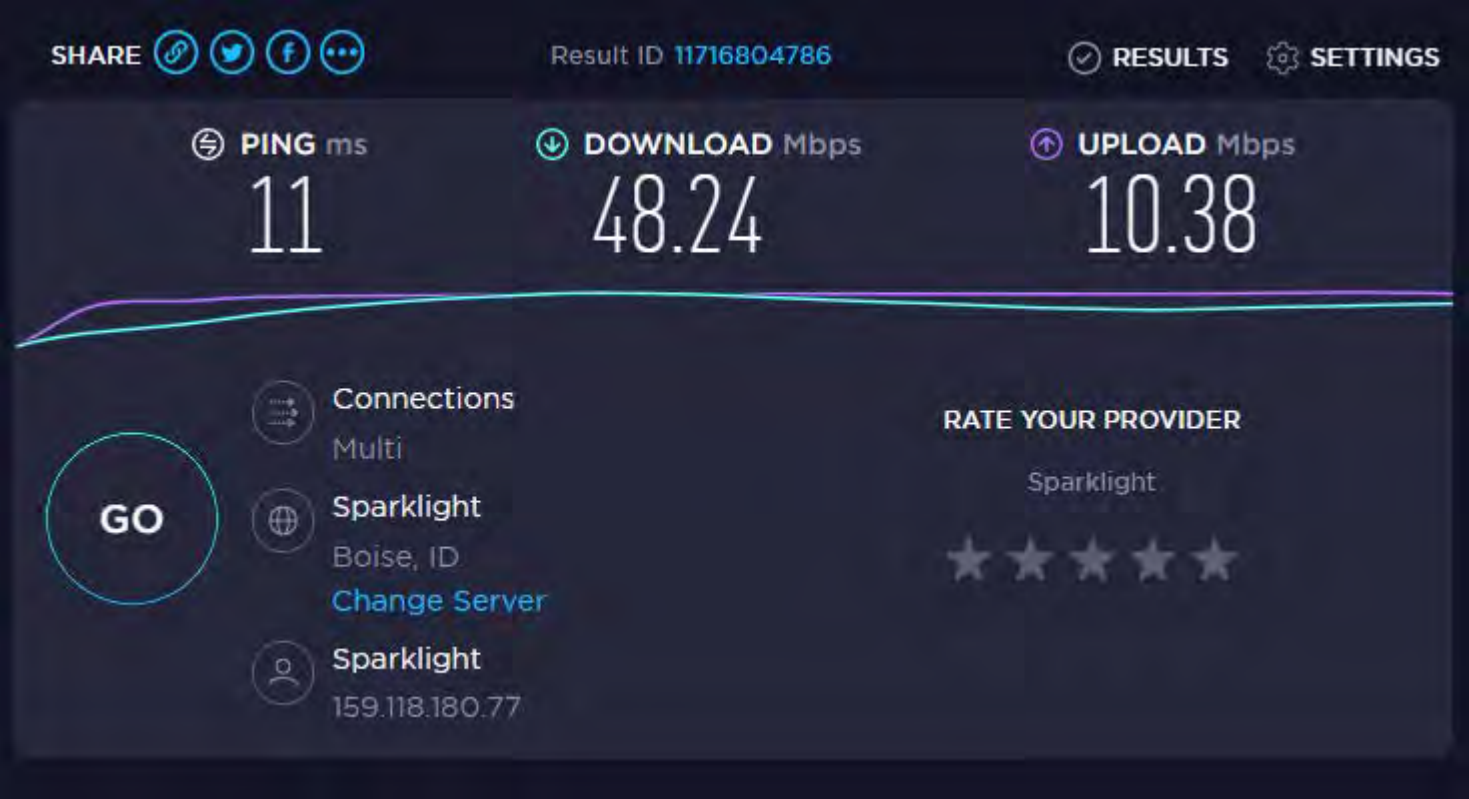
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Document Link https://city-of-eagle.maps.arcgis.com/home/item.html?id=07c210415d5f42a4b1ecfe81ec66b79a

Overview For Proposed Fiber Optic Network

160010102353

N

EAGLE CITY HALL

EAGLE SENIOR CENTER

HERITAGE PARK

160010102342

PROJECT INFORMATION

1. 67 households within 100 meters of project area.
2. Download Speed: 0 Mb/s-121.45 Mb/s
Upload Speed: 0 Mb/s - 27.98 Mb/s
3. Proposed Broadband speeds: 1 Gbps or 1000 Mbps per second connection; symmetrical
4.Current Infrastructure:
None at Heritage Park
Non-Public Internet at Senior Center
Underground Conduit Only from City Hall to Museum
5.Proposed Infrastructure:
Underground Conduit
12-count fiber from City Hall to Museum
144- count fiber from City Hall Campus to Senior Center and to Heritage Park.
(4) Cisco Meraki public wireless access points (2-indoor 2-outdoor)
New router at Heritage Park and Senior Center

Project Area
City of Eagle Parcel
Census Block 2010
Proposed Fiber Optic Conduit

0 0.03 0.06 0.12 Miles

Document Link: https://city-of-eagle.maps.arcgis.com/home/item.html?id=07c210415d5f42a4b1ecfe81ec66b79a

Proposed Fiber Optic Network Locations

PROJECT INFORMATION

1. 67 households within 100 meters of project area.
2. Download Speed: 0 Mb/s-121.45 Mb/s
Upload Speed: 0 Mb/s - 27.98 Mb/s
3. Proposed Broadband speeds: 1 Gbps or 1000 Mbps per second connection; symmetrical
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Non-Public Internet at Senior Center
Underground Conduit Only from City Hall to Museum
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12-count fiber from City Hall to Museum
144- count fiber from City Hall Campus to Senior Center and to Heritage Park.
(4) Cisco Meraki public wireless access points (2-indoor 2-outdoor)
New router at Heritage Park and Senior Center

Downtown Eagle
Broadband Project
Legend
Existing Conduit & Fiber (Active)
Fiber to be Pulled through Existing Conduit to Public Museum & Lit Up
New Conduit & Fiber Installed and Lit Up
New Hub Enclosure to Existing Structure
New Vault
WiFi Public Access Points
E Mission Dr
N Sherman St
New Vault
New Vault
New Vault
New Indoor & Outdoor WiFi Public Access Point
New Indoor WiFi Public Access Point
E Civic Ln
sure to Existing Structure
New Outdoor WiFi Public Access Point
New Vault
S Young Ln
S Flagstone Ln
Wildflower Ln
Watercress Ln
E Monarch St
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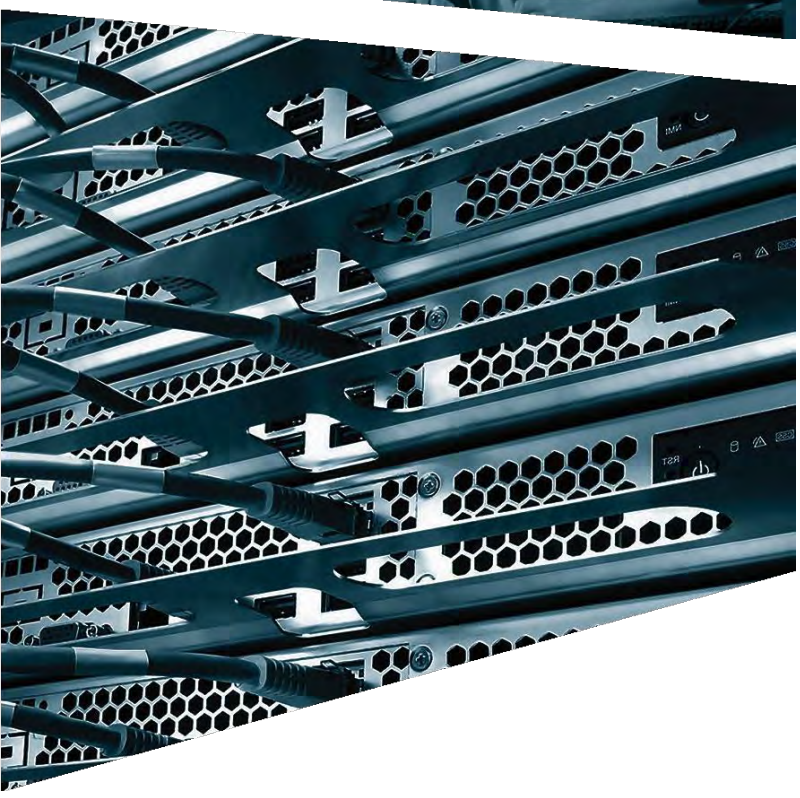
Idaho Grant Application
Fatbeam Proposal
Community Broadband Access
City of Eagle, Idaho

July 13th, 2021



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fatbeam®

Cost Proposal Summary & Scope of Work

Fatbeam proposes the following broadband infrastructure to continue to support the needs of City of Eagle and their residents.

1. **Summary of Project:** Fiber extensions from City of Eagle Senior Center, and then to Heritage Park: Fatbeam will pull fiber through the existing conduit from City Hall vault located behind the City Hall. From that point, Fatbeam will construct underground fiber optic cable to Senior Center then Heritage Park. The entire route, noting both the existing conduit and newly constructed conduit is detailed on the attached map.

2. **Existing Conduit:** Fatbeam will pull a 12-count fiber between the City Hall and the existing fiber hut, located behind City Hall.

3. **Fiber Optic Electronics:** Fatbeam will provide buried conduit with 144-count fiber between the existing fiber hut located behind the Senior Center and then down 2nd Street to Heritage Park.

For a total investment of $179,717.00, this broadband infrastructure will provide meaningful benefits to the community of Eagle Idaho. Once the build it completed, these assets will be owned by the City of Eagle. Fatbeam will provide no ongoing support or maintenance unless otherwise contracted under separate agreement.

Clearwater County Project Itemization

Item	Costs
OSP fiber design	$2,400.00
Traffic control	$18,000.00
Permitting fees	$2,500.00
Architect, engineering, and legal service	$2,437.30
Fiber materials and construction	$154,379.42
Total	**$179,716.72**

New Vaults Installed
New Conduit & Fiber
Existing Conduit & Fiber
Enclosed Hub Addition to existing structure at Heritage Park
Existing Conduit- Needs Fiber Installed
NOTE: New access points installed at Heritage Park, Senior Center (inside and outside) and Museum
The Electrical Ninja
E Amanita St
Innovate Academy & Preparatory School
Eagle Public Library
Super Smiles Orthodontics
E Idaho St
Fusions Glass Studio
Eagle Senior Center
Reed Cycle Inc
Bodacious Pig Barbecue
Takeout · Delivery
Heritage Square
Hawk's
Domino's Pizza
Takeout · Delivery
Atova Real Estate
United States Postal Service
E Spartan St
E Monarch St
E Cembra St
E State St
Eagle Auto Repair
NAPA Auto Parts - Dyna Parts
Styles 83616
Papa John's Pizza
Takeout · Delivery
Idaho Central Credit Union
Sherwin-Williams Paint Store
Edward Jones - Advisor: Jacob
E Aikens St
Squeeze In
Takeout
Rice Contemporary Asian Cuisine
Takeout · Delivery
McDonald's
Takeout · Delivery
Eagle River Coffee
Takeout
E Wexford Ln
E Connemara Ln
E Plaza Dr
Eagle Meadows Family Village
Watercress Ln
Wildflower Ln
S Young Ln
S Flagstone Ln
N Eagle Rd
S Eagle Rd
N 2nd St
N Stierman Way
N Viceroy Ave
N Palmetto Ave
N Moraine Ave
E Shadow
Ballentine Canal
Albertsons
Takeout · Delivery
StorageMart
Google My Maps

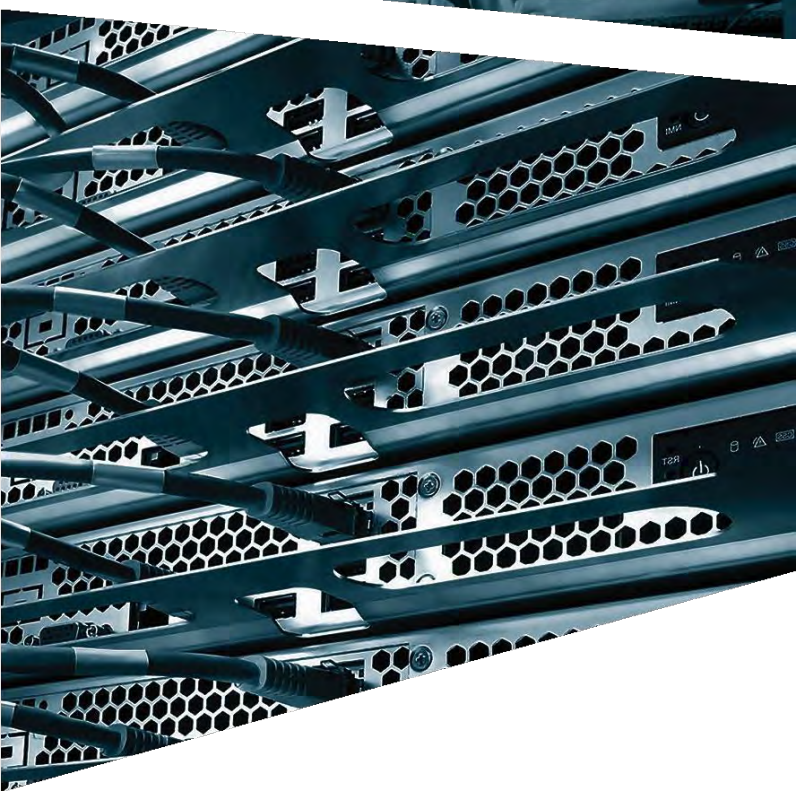
Idaho Broadband Fund Broadband Grant – Budget Template

Link to Document

Line Item	Grant Dollars				Total
Meraki Wi-Fi 6 (2) Indoor and (2) Outdoor AP Unit Price	$4,824.24				$ 4,824.24
(3) Meraki MR Enterprise License, 5 YR	$3,704.95				$3,704.95
(1) Meraki MS425-32 L3 Cld-Mngd 32x 10G SFP + switch	$14,350.05				$14,350.05
(2) Meraki MX95 Advanced Security License and Support, 5YR	$19,568.26				$19,568.26
(2) Meraki MX95 Router/Security Appliance	$6,516.22				$6,516.22
(4) Meraki Dual-band Omni Antennas	$519.24				$519.24
(2) Meraki MR 802.3at PoE Injector (US Plug)	$242.80				$242.80
Fiber Transceivers, UPS Batteries, Cabling, Mounts, Enclosures, Patch Panels.	$14,000.00				$14,000.00
OSP Fiber Design	$2,400.00				$2,400.00
Traffic Control	$18,000.00				$18,000.00
Permitting Fees	$2,500.00				$2,500.00
Architect, Engineering, and Legal Services	$2,437.30				$2,437.30
Fiber materials and construction	$154,379.42				$154,379.42
Hub Enclosure to existing structure at Heritage Park	$20,000.00				$20,000.00
Totals	$ 263,442.48	$ 0	$ 0	$ 0	$ 263,442.48

Idaho Grant Application
Fatbeam Proposal
Community Broadband Access
City of Eagle, Idaho

July 13th, 2021



fatbeam.com
2065 W. Riverstone Dr. Suite 202
Coeur d'Alene, ID 83814
509.344.1008

fatbeam®

Cost Proposal Summary & Scope of Work

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Super Smiles Orthodontics
E Idaho St
Fusions Glass Studio
Eagle Senior Center
Reed Cycle Inc
Bodacious Pig Barbecue
Takeout · Delivery
Heritage Square
Hawk's
Domino's Pizza
Takeout · Delivery
Atova Real Estate
United States Postal Service
E Spartan St
E Monarch St
E Cembra St
E State St
Eagle Auto Repair
NAPA Auto Parts - Dyna Parts
Styles 83616
Papa John's Pizza
Takeout · Delivery
Idaho Central Credit Union
Sherwin-Williams Paint Store
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Takeout · Delivery
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Eagle River Coffee
Takeout
E Wexford Ln
E Connemara Ln
E Plaza Dr
Eagle Meadows Family Village
Watercress Ln
Wildflower Ln
S Young Ln
S Flagstone Ln
N Eagle Rd
S Eagle Rd
N 2nd St
N Stierman Way
N Viceroy Ave
N Palmetto Ave
N Moraine Ave
E Shadow
Ballentine Canal
Albertsons
Takeout · Delivery
StorageMart
Google My Maps

Part Number	Description	Unit List Price	Qty	Unit Net Price	Disc(%)	Extended Net Price
MR86-HW	Meraki MR86 Wi-Fi 6 Outdoor AP	2,256.87	2	1,466.97	35.00	2,933.94
LIC-ENT-5YR	Meraki MR Enterprise License, 5YR	451.58	2	293.53	35.00	587.06
MA-ANT-20	Meraki Dual-band Omni Antennas	199.70	4	129.81	35.00	519.24
MA-INJ-4-US	Meraki MR 802.3at PoE Injector (US Plug)	186.77	2	121.40	35.00	242.80
MR46-HW	Meraki MR46 Wi-Fi 6 Indoor AP	1,454.07	2	945.15	35.00	1,890.30
LIC-ENT-5YR	Meraki MR Enterprise License, 5YR	451.58	2	293.53	35.00	587.06
MX95-HW	Meraki MX95 Router/Security Appliance	5,012.48	2	3,258.11	35.00	6,516.22
LIC-MX95-SEC-5Y	Meraki MX95 Advanced Security License and Support, 5YR	15,052.50	2	9,784.13	35.00	19,568.26
MS425-32-HW	Meraki MS425-32 L3 Cld-Mngd 32x 10G SFP+ Switch	22,077.00	1	14,350.05	35.00	14,350.05
LIC-MS425-32-5YR	Meraki MS425-32 Enterprise License and Support, 5YR	3,893.58	1	2,530.83	35.00	2,530.83
Misc	Fiber Transcievers, UPS Batteries, Cabling, Mounts, Enclosures, Patch Panels.					14,000.00

Valid through:

FOB Point: None

Product Total	63,725.76
Service Total :	0.00
Subscription Total	0.00
Total Price:	**63,725.76**

Idaho Broadband Fund Broadband Grant – ProjectSchedule Document Link

Activity	Responsible Party	Start Date	End Date
CONTRACT AWARD			
City Response Review of Contract for Construction	City of Eagle	August 1, 2021	August 6, 2021
City Awards Project	City of Eagle	August 7, 2021	August 13, 2021
Contract Signed	City of Eagle	August 14, 2021	August 15, 2021
ENGINEERING			
Engineering – Route survey & data collection	Fatbeam Engineering Team	August 16, 2021	August 24, 2021
Generation of base maps for design work	Fatbeam Engineering Team	August 25, 2021	Sept 5, 2021
Generation of Underground Segment	Fatbeam Engineering Team	Sept 6, 2021	Sept 24, 2021
ROW PERMITTING & LICENSE AGREEMENTS			
Generation of ROW applications	Fatbeam Engineering Team	Sept 25, 2021	Oct 4, 2021
ROW permit approval process & license agreement	Ada County Highway District/City of Eagle	Oct 5, 2021	Oct 13, 2021
UNDERGROUND CONSTRUCTION			
Underground Construction	Local Underground Contractor	Nov 8, 2021	Nov 23, 2021
SPLICING AND TESTING OF FIBER			
Fiber splicing and testing	Fatbeam Construction	Nov 24, 2021	Dec 1, 2021
Configuration of equipment	Fatbeam	Dec 2, 2021	Dec 5, 2021
Installation of Switches	City of Eagle	Dec 6, 2021	Dec 9, 2021
INSTALLATION OF ELECTRONICS			
Installation of electronics and final testing	Fatbeam & City of Eagle	Dec 10, 2021	Dec 15, 2021

Cares Act Certification

City of Eagle
P.O. Box 1520
Eagle, Idaho 83616
208-939-6813

Jason Pierce
Mayor

STATE OF IDAHO
COUNTY OF ADA

The undersigned, Jason Pierce, representing the City of Eagle, 660 E. Civic Lane, Eagle, Idaho, hereby swear (affirm) that:

1. I am the Mayor of the City of Eagle and hereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria.

    i. Expenses for establishing and operating public telemedicine capabilities for COVID–19-related treatment.
    ii. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID–19 precautions.
    iii. Expenses to improve telework capabilities for public employees to enable compliance with COVID–19 public health precautions.

This project will allow citizens , business owners and employees to access the internet through a free high-speed broadband network which will connect public facilities in addition to providing a location for people to gather and yet still be socially distanced.

The project would include bringing fiber extensions from City Hall to the public Museum, to the Senior Center, and to Heritage Park. The fiber would be pulled through the existing conduit from the City Hall vault located behind City Hall. From that point, underground fiber optic cables will be placed to serve the public Museum within the City Hall campus. An additional run of conduit and fiber will extend from the vault down the north side of the city hall campus, cross over Stierman Way and extend west down Idaho Street to the Eagle Senior Center. From there it will continue south on 2nd Street, across State Street and connect to serve Heritage Park in Downtown.

The project would include four (4) new Wi-Fi access points (Heritage Park, Senior Center inside and outside, and the Museum) and an enclosed hub addition to an existing structure within Heritage Park. The project will enable a fiber-optic network that will provide a minimum of 1,000 Mbps symmetrical

(download and upload) service to public facilities while also providing free access to Wi-Fi at these locations and within 100 meters of the access points. Heritage Park and the Senior Center are will of serving up to 250 citizens, while the City Hall campus would be capable of serving up to 500. This project will be a city owned asset, but the City will contract only with private sector ISPs to provide internet service over the broadband network.

This critical project will ensure that our local government has vital monitoring connections to public facilities, and ensures businesses, residents, students, teachers, employees, and visitors have access to sufficient broadband services that result in purposeful outcomes such as improving opportunities for teleworking, improving access to telehealth services, facilitating distance learning, improving public safety, broadband affordability, and digital inclusion. The funds will be used for the construction of the broadband system, to include conduit, fiber, fiber optic electronics and equipment, fiber optic hardware, lighting the fiber and providing Wi-Fi access points. The funds would also pay for the construction of a hub enclosure at Heritage Park. This will be the first phase of a much broader city-wide broadband infrastructure project.

For this project, the City will use the grant funds to purchase hardware (switches, routers, Wi-Fi, etc.) and pay for the construction, pulling the fiber and lighting up the system, in addition to the construction of an enclosed hub addition to an existing structure in Heritage Park.

Direct and indirect beneficiaries of this project include:

1. Households
2. Public school facilities and students through access to online distance learning and tele-education.
3. Existing and new businesses looking for network reliability, and/or seeking to expand their operations and services through advanced and new technology.
4. Telecommuters that are working from home either by choice or as a requirement of their employer.
5. Local government facilities.
6. Visitors through public access to WIFI.
7. Medical facilities by providing greater access to utilize telehealth services.
8. Greater access to emergency personnel.

Jason Pierce, Mayor
City of Eagle

7/15/21
Date

SUBSCRIBED AND SWORN before me on this 15th day of July 2021.

HOLLY CSENCSITS NOTARY PUBLIC Comm. No. 57385 STATE OF IDAHO

Notary Public for State

Residing at: Eagle, ID

Commission Expires: 2/26/25

From: Elaine Fredriksson <fredriksson@cableone.net>
Sent: Thursday, July 15, 2021 3:09 PM
To: Robin Collins <rcollins@cityofeagle.org>
Subject: Re: Internet test City of Eagle

Hello City of Eagle,

I have had multiple speed test done because my internet dropping almost every hour during my business hours, which makes conducting normal business tasks, a horrible experience. I opened my business in 2020 and have had issues with keeping my point of sale system online and because of this issue, I have lost many sales and customers. It is imperative that we have better connectivity for the city of Eagle businesses. Please find my test results below for the Flor de Sol Boutique.

https://broadbandnow.com/speedtest/bzwvqhzr-rfo6-4d7e-8034-98d20a9e2697

[url]https://broadbandnow.com/speedtest/bzwvqhzr-rfo6-4d7e-8034-98d20a9e2697[/url]

https://speedtest.broadbandnow.com/6/2/e/bzwvqhzr-rfo6-4d7e-8034-98d20a9e2697.png

[img]https://speedtest.broadbandnow.com/6/2/e/bzwvqhzr-rfo6-4d7e-8034-98d20a9e2697.png[/img]

Thank you,

Elaine Fredriksson

To whom it may concern:

Wild West Home of Mamma Italia in Eagle at 83 E. State Street is interested and will be supporting the city of Eagle in regards to a solution for a broadband package for the downtown area.

We are limited now with our options and set up so having a better and solid one would help our business as well as others run smoothly.

Regards,

Domenico Erme

eagle
CHAMBER OF COMMERCE

July 14, 2021

Idaho Commerce
Attn: Eric Forsch, Broadband Development Manager
Eric.forsch@commerce.idaho.gov
208-287-3153

RE: Idaho Broadband Fund: CARES Act Broadband Grant

Dear Mr. Forsch &/or To Whom It May Concern:

I am writing on behalf of the Eagle Chamber of Commerce to express our full support to participate in the efforts of our City of Eagle to apply for and obtain a grant for broadband within our downtown. Our small community and businesses could benefit greatly from better online access and technologies.

We sincerely appreciate that you are considering our effort in Ada County to participate in the program and we hope to be one of the communities that are selected to participate in the program.

Thank you.

Sincerely,

Jennifer Stutheit

Jennifer Stutheit

Executive Director
EAGLE CHAMBER OF COMMERCE
www.eaglechamber.com
208.939.4222
jennifer@eaglechamber.com

Meg Glasgow
FINER FRAMES
132 E State Street
Eagle, Idaho 83616

July 14, 2021

Re: Letter in support of broadband in downtown Eagle

As the population of our small community continues to explode at a rapid rate, essential services, like internet access, become even more critical.

My business depends on high internet speeds for cloud access, sharing files, streaming music, marketing and more. Internet outages are a frequent annoyance that disrupts business activities. Inadequate band width also limits what our team can do in service to our clients.

We've switched internet providers to try and solve the problem. We've reduced employee access to our network, which is far from ideal. We need a better solution to meet the demands of our growing business.

Please accept this letter of support for the City of Eagle to secure grant funding for the benefit of our downtown.

Thank you.

Meg Glasgow

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Jamie McDaniel
Applicant ID	APP-004769
Company Name	Mountain Home
Recipient Address	Mountain Home 1150 South Main St Mountain Home, ID 83647
Phone	(208) 587-2108
Email	jmcdaniel@mountain-home.us
Amount Requested	$680,509.00
Status	Submitted
Funded	☐

Application Title: SW Mountain Home Broadband Project

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

a. Michael Lujan
b. Fiber Optics Administrative Assistant
c. P.O. Box 10, Mountain Home, ID 83647
e. office: (208) 587-2108, cell: (208) 580-3047

Question: List the cities/communities in the census blocks where the project(s) will take

place.

Mountain Home, Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

a. Jamie McDaniel, Grants Administrator
b. jmcdaniel@mountain-home.us
c. 208-580-2091

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The City of Mountain Home set a goal to offer fiber optic infrastructure to its citizens. With mediocre access to the internet that is offered currently, residents in our city have been paying too much. The city has made it a key priority of the city to build and establish local control of this essential infrastructure. The objectives of the city for this project include lowering the cost of internet access by 25% - 30% for residents and businesses, increase the speed and reliability of internet access, increase competition and give residents multiple options for ISP's on demand in real time. The city is building a state-of-the-art network that will improve economic development, foster innovation and leverage the network to improve the services provided in the city including public safety, healthcare, education, transportation and emergency communications. The city is not competing with the private sector, it will build and operate the fiber optic network, which will be open to any service provider that seeks to offer services in the city. This project request will include building a fiber hut (building structure, generators, HVAC, racks for equipment, shipping/construction), placing Wi-Fi hotspots in four locations; the Mountain Home Hub Plaza, Optimist Park, Railroad Park, and Ridgecrest Park. In addition to free Wi-Fi access points we will also be connecting a local pharmacy to further expand telehealth capabilities. The request includes a Fiber Optic Department reel trailer, pickup truck, drill bore rig and vacuum truck. The Fiber Hut will be built in the Southwest side of the City, centrally located, to provide an access point to connect to fiber optic infrastructure. The Fiber Hut will allow city fiber optic broadband connections to neighborhoods, medical facilities, essential businesses, public works facilities, utilities and schools. The reel trailer, pickup truck, bore rig and vacuum truck are essential equipment that will be used to run the fiber optic conduits, lines and equipment to connect the fiber hut and Wi-Fi access points. The pickup truck will also be used for project

administration/coordination, transportation of tools, equipment, personnel, and supplies. These improvements meet the CARES Act criteria by addressing public health and safety. It will improve telework capabilities, improve public safety and communications and facilitate distance learning. This will specifically target telehealth, distance learning, and telework capabilities providing four additional Wi-Fi access point locations. Currently on the Southwest side of the city, Century Link and Zito Media provide internet service over copper infrastructure which proved during the COVID-19 pandemic to be insufficient for a public health emergency. Building these four additional Wi-Fi access points in public parks will provide Mountain Home citizens with the required speeds and bandwidth to be able to telework, complete telehealth appointments, and facilitate distance learning assignments.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

Building a Fiber Hut in the Southwest side of Mountain Home will provide an access point (middle mile) for residential communities, businesses, medical facilities, public safety, schools, and public works facilities located on the SW side of the city. This area has a lot of current and future growth and having the fiber optic capabilities will drastically increase economic health and development. New technology based businesses will be able to build and connect to the fiber network, providing employment for city residents and opportunities for expansion and growth. Having the fiber optic capabilities will provide faster response time for emergencies, public safety, telehealth, and distance learning. The current copper infrastructure is both inadequate and negatively affects the capabilities of telehealth, distance learning, and telework. The pandemic has reshaped the way everything is done today and in order to be able to meet todays requirements this fiber optic expansion is necessary

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

The Mountain Home project meets the Cares Act criteria by providing free Wi-Fi access points for telehealth capabilities (connection access points for medical personnel/patients), distance learning, and telework capabilities. Adding four Wi-Fi access points will provide the required broadband access needed in response to the increased strain on the current copper infrastructure system due to the COVID-19 pandemic. The demand has increased and the current copper infrastructure is no longer capable of handling this increase. This funding will help Mountain Home rebound from the COVID-19 public health emergency and will help to minimize the negative effects of any future public emergencies by providing the connectivity that is required to meet the demands of the 21st Century.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

This project will immediately provide free Wi-Fi access in four new locations. Adding a fiber hut

to the infrastructure is going to result in a cost-effective broadband infrastructure solution to the community by providing an open access fiber optic broadband infrastructure that is not locked down by individual providers. Homeowners will be able to take control back by owning the infrastructure connection to their homes (connections will be voluntary utilizing local improvement districts.) Homeowners will own the connection and have access to numerous ISP's that are competing against each other to gain their business, which will significantly drive prices down. This project can drive the cost of what a resident is paying for a 3-15MBPS shared service to a 1 gig non shared fiber service for the same price or less. Home owners will no longer have to pay rental on the equipment and infrastructure that broadband is running on because they will own it.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

N/A

Question: Estimated total project cost?

680509.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

N/A

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

N/A

Question: What is the maximum broadband speed that will be provided by the project?

1 Gig

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes, the project will be completed, paid and inspected before December 15, 2021. This entire project is within City right-of-way, with no additional easements or permits required.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Century Link will be providing the broadband service utilizing the city's infrastructure. The

ownership of the broadband infrastructure will belong to the City of Mountain Home, Idaho.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The project will be administered by the Grants Administrator and audited by the City Mayor, City Clerk, and City Treasurer. The Administrator of the project (Fiber Optic Administrative Assistant) will plan and coordinate all details of the project to include parts requisition, contractor RFP's, engineering plan, timeline management, and funding coordination. Accounting will be conducted by the City Treasurer utilizing the City General Funds or Fiber Optic Department Funding that is approved through City Council.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

N/A

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

The City of Mountain Home received a State of Idaho Public Broadband Grant for Public Safety/Local
Government in 2020. The project allowed the city to provide fiber into the city's north fiber backbone, created a fiber hut in a city booster station, and provided free Wi-Fi in three of our local parks. These improvements met the CARES Act criteria and addressed public health and safety by improving telework capabilities, public safety
and facilitates distance learning.

Question: Include any other relevant information as to why your project should be considered for funding.

If funded this project will provide high speed connectivity options to over 2000 residential family homes and countless businesses. This project will help ensure that the City of Mountain Home is technologically prepared to meet the demands caused by the COVID-19 pandemic; students will be able to to maintain their education and community members will get telehealth services required to deal with day to day medical issues as well as mental telehealth service needed to deal with the new challenges arisen from COVID-19. This project will not only improve the response to the COVID-19 pandemic but it will help in the recovery by providing opportunities for industrial and business growth. Many people lost their jobs due to the pandemic and need work, building an opportunistic high speed fiber optic platform that has the capability to run advanced technological companies creates many potential job opportunities for city citizens looking for work. The requirements of the future technological age of the 21st Century will be at the Homefront of the City of Mountain Home and the city will flourish even with the challenges that the pandemic has placed into our lives.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

No Attachments

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

SW Mountain Home Broadband Project Map.pdf (7/14/2021 8:28 AM)
Grant Shapefile.aprx (7/12/2021 1:59 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Cares Act Grant July-Dec cost sheet.xlsx (7/16/2021 10:08 AM)
Idaho-Cares-Act-Broadband-Grant-Budget-.pdf (7/15/2021 1:35 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Idaho-Cares-Act-Broadband-Grant-Project-Schedule-.pdf (7/15/2021 1:38 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

CARES Act Certification.pdf (7/13/2021 10:34 AM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

Support Letter - Mayor Sykes.pdf (7/16/2021 10:38 AM)
Support Letter - Sav-Mor Drug.pdf (7/16/2021 10:31 AM)
Support Letter - MH School District 193.pdf (7/15/2021 3:08 PM)
Support Letter - Fiber Maintenance.pdf (7/15/2021 3:08 PM)
Support Letter - St. Luke's Elmore.pdf (7/15/2021 3:08 PM)
Support Letter - Chamber of Commerce.pdf (7/15/2021 3:08 PM)
Support Letter - Fiber Dept.pdf (7/15/2021 3:07 PM)
Support Letter - MH Police Department.pdf (7/15/2021 3:07 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

MH Comprehensive Plan - Chapter 13.B - Fiber Utility.pdf (7/6/2021 2:32 PM)
City of MH Broadband Policy & Resolution.pdf (7/6/2021 2:32 PM)

Question: Any applicable Site Plans, studies, or photographs.

Optimist Park.pdf (7/16/2021 10:17 AM)
Railroad Park & HUB Plaza.pdf (7/15/2021 2:51 PM)
Fiber Hut.pdf (7/15/2021 2:49 PM)
Ridgecrest Park.pdf (7/15/2021 2:48 PM)

SW Mountain Home Broadband Project Map Details

LEGEND

Orange Area: Wi-Fi Coverage

Green Diamond: Current Fiber Hut

Red Diamond: New Fiber Hut Location

Purple Dots: Fiber Vaults

 Red Line: New Line of 288-567 Fiber Count/Conduit

 Orange Line: Fiber/Conduit

ITEM 1:

795 S 5th W = New Fiber Hut Location (identified by red diamond). Fiber Hut will be built on the Parks and Rec property, located on South 5th West St. A high-count Fiber line will be bored and run from the current Fiber Hut (identified by green diamond) to the new location to provide service connection options on the SW side of town, along with connecting Wi-Fi access points. From this Fiber Hut we will bore out to Ridgecrest Park and run a high-density cable to connect Wi-Fi and to provide sufficient fiber count for growing demands and future expansion needs.

ITEM 2:

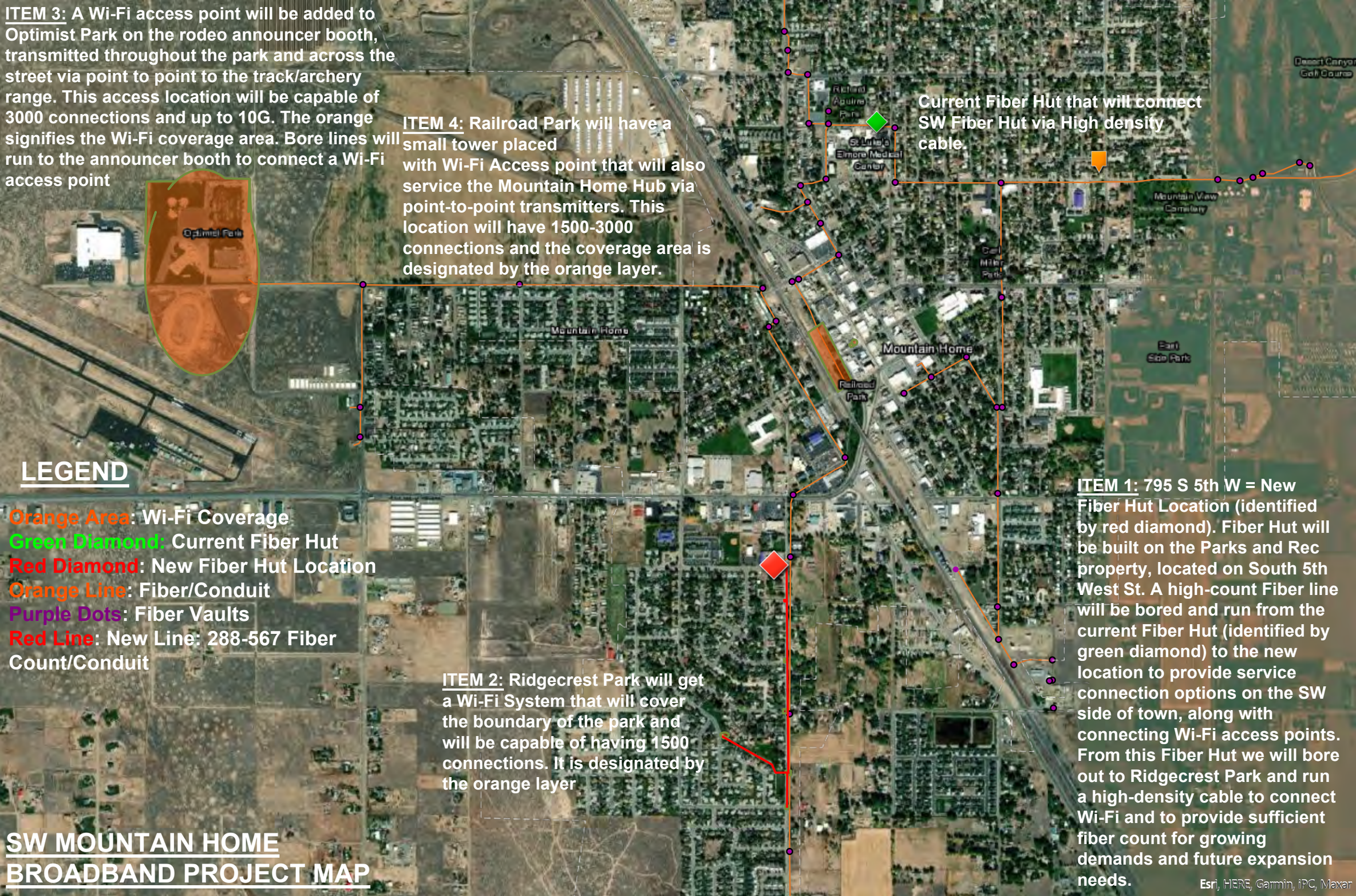
Ridgecrest Park will get a Wi-Fi System that will cover the boundary of the park and will be capable of having 1500 connections. It is designated by the orange layer.

ITEM 3:

A Wi-Fi access point will be added to Optimist Park on the rodeo announcer booth, transmitted throughout the Park and across the street via point to point to the track/archery range. This access location will be capable of 3000 connections and up to 10G. The orange signifies the Wi-Fi coverage area. Bore lines will run to the announcer booth to connect a Wi-Fi access point.

ITEM 4:

Railroad Park will have a small tower placed with Wi-Fi Access point that will also service the Mountain Home Hub via point-to-point transmitters. This location will have 1500-3000 connections and the coverage area is designated by the orange layer.



ITEM 3: A Wi-Fi access point will be added to Optimist Park on the rodeo announcer booth, transmitted throughout the park and across the street via point to point to the track/archery range. This access location will be capable of 3000 connections and up to 10G. The orange signifies the Wi-Fi coverage area. Bore lines will run to the announcer booth to connect a Wi-Fi access point

ITEM 4: Railroad Park will have a small tower placed with Wi-Fi Access point that will also service the Mountain Home Hub via point-to-point transmitters. This location will have 1500-3000 connections and the coverage area is designated by the orange layer.

Current Fiber Hut that will connect SW Fiber Hut via High density cable.

LEGEND

Orange Area: Wi-Fi Coverage
Green Diamond: Current Fiber Hut
Red Diamond: New Fiber Hut Location
Orange Line: Fiber/Conduit
Purple Dots: Fiber Vaults
Red Line: New Line: 288-567 Fiber Count/Conduit

ITEM 2: Ridgecrest Park will get a Wi-Fi System that will cover the boundary of the park and will be capable of having 1500 connections. It is designated by the orange layer

ITEM 1: 795 S 5th W = New Fiber Hut Location (identified by red diamond). Fiber Hut will be built on the Parks and Rec property, located on South 5th West St. A high-count Fiber line will be bored and run from the current Fiber Hut (identified by green diamond) to the new location to provide service connection options on the SW side of town, along with connecting Wi-Fi access points. From this Fiber Hut we will bore out to Ridgecrest Park and run a high-density cable to connect Wi-Fi and to provide sufficient fiber count for growing demands and future expansion needs.

SW MOUNTAIN HOME BROADBAND PROJECT MAP

CARES ACT GRANT REQUIRED SUPPLIES & EQUIPMENT			
PART NO	DESCRIPTION	QTY	PER UNIT
ODF-FF19CM-40RU	Commscope Flex Frame	3	$2,915.00
ODF-FFSPLCAB	Commscope Flex Frame Splice Cabinet	1	$1,340.00
	D sized splice trays and sleeves	3	$35.00
FHD-4UFCE	FS 4U Fiber Optic Enclosure	2	$230.00
FHD-FAP12LCDXSMF	FS 24 OS2 Fiber Adapter Panel	48	$19.00
FSXSM-XXX-FP-XX-X	12 Fiber Ribbon Pigtails #21260	96	$32.00
S5860-48SC	FS Top of Rack	1	$3,500.00
S5800-48F4SR	FS Access	1	$1,600.00
S3900-48T4S	FS out of band management	1	$529.00
DSM-40NM-DP	WTI Console Server, 40-Port RJ45	1	$4,650.00
NR-DP-DSM40	WTI Dual Power Supply Option for Server	1	$420.00
SFPP-PC005	FS 10G SFP+ DAC	1	$11.00
SFP-10G-BX	10G BiDi SFP+ 1270nm-TX/1330nm-RX 10km	1	$40.00
SFP-10G-BX	10G BiDi SFP+ 1330nm-TX/1270nm-RX 10km	1	$40.00
QSFP28-BLR4-100G	FS 100GBASE QSFP28	2	$599.00
SFP-GE-BX	FS 1G BiDi SFP 1310nm-TX/1550nm-RX 10km	48	$10.00
SFP-GE-BX	FS 1G BiDi SFP 1550nm-TX/1310nm-RX 10km	48	$14.00
SMC15002URM	Tripp Lite 1500VA UPS Battery Backup	1	$500.00
PDUMV40	Tripp Lite PDU, 20A Dual Circuit, 32 Outlets	4	$285.00
FS-PDUBK	FS PDU mounting brackets (2 PCS/PK)	2	$28.00
MISC	hardware, patch cords, jumpers	1	$500.00
	REEL TRAILER	1	17000
	GENERATOR	1	18000
	FIBER HUT/ELECTRICAL CONNECTION	1	69000
	TRUCK	1	55000
	BORERIG/TRAILER/TANKS	1	165435.42
	1 1/4 CONDUIT	2	6000
	3/4 CONDUIT	1	4000
	288-867 ct FIBER	8K FT	14316
	DROP LINES	20	10000
	VAULTS CURBSIDE 126X38X24	6	3207
	VAULTS SPLIT LID 30X60x30	1	5814
	CONCRETE PAD	1	
	ENCLOSURE	6	450
	SPLICE TRAY	6	40
	Coyote Box	4	40
	CABINET RR PARK	1	3000
	HARDENED EQUIPMENT RR PARK	1	300
	Wi-Fi Mast mount for Hub roof/Optimist Park	2	64.99
	Tower for RR Park/concrete/electrician	1	6826
AF60-LR-US	airFiber 60 LR	4	300
USW-Pro-24-PoE	Switch Pro 24 PoE	3	699
UWB-XG-US	WiFi BaseStation XG	12	1500
UDM-Pro	Dream Machine Pro	1	379
	Misc calbe, ends, optics	1	800

	Vacuum Truck, Equipment	1	169,000.00
		Totals:	$568,468.41

	NOTES
TOTAL	
$8,745.00	Electronics for Inside New Hut
$1,340.00	Electronics for Inside New Hut
$105.00	These are placed inside Fiber Vault(hand hole) to splice fiber
$460.00	Connection point for Fiber inside Vault(hand hole)
$912.00	Electronics for Inside New Hut
$3,072.00	Connectors for fiber hut electronics
$3,500.00	Rack System for New Hut
$1,600.00	Electronics for Inside New Hut
$529.00	Electronics for Inside New Hut
$4,650.00	Electronics for Inside New Hut
$420.00	Wi-Fi Equipment
$11.00	Access uplink to TOR
$40.00	Wi-Fi Equipment Out of Band Management
$40.00	Wi-Fi Equipment Out of Band Management
$1,198.00	Wi-Fi Equipment
$480.00	Wi-Fi Equipment
$672.00	Wi-Fi Equipment
$500.00	Battery Backup for New Fiber Hut
$1,140.00	Electronics for Inside New Hut
$56.00	Hardware for New Fiber Hut
$500.00	Electronics for Inside New Hut
17000	Equipment to complete Project
18000	New Fiber Hut Generator Power backup
69000	Cost of Fiber Hut Building
55000	Vehicle for Project, transportation/management
165435.42	Equipment to complete Project
12000	Conduit to get Fiber to Wi-Fi Sites and Fiber Hut
4000	Conduit to get Fiber to Wi-Fi Sites
14316	Fiber to connect sites to Fiber Hut
10000	Fiber to connect wirless sites
3207	Handholes Required along Fiber Path out to grant sites
5814	Handholes Required along Fiber Path out to grant sites
5000	Foundation for new Fiber Hut
2700	Roadside/Wi-Fi site fiber splice point area's/handholes
240	Equipment for inside Fiber Hand Holes
160	Wi-Fi Equipment
3000	Wi-Fi Equipment
300	media Converters for Wi-Fi
64.99	Wi-Fi Equipment
6826	Includes concrete/labor/electrician Wi-Fi mounting Tower
$1,200.00	Wi-Fi Equipment
$2,097.00	Power over Ethernet-Wi-Fi Equipment
$18,000.00	Stadium Quality Radio-supports up to 1500 users(10G capable)
$379.00	Brains of Wi-Fi
$800.00	Project supplies

$169,000.00	Equipment needed for Project
$613,509.41	

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

Idaho CARES Act Broadband Grant – Project Schedule

Activity	Responsible Party	Start Date	End Date
Building Permits	Mike Lujan	4 August 2021	5 August 2021
Schedule Concrete	Mike Lujan	6 August 2021	8 August 2021
Schedule Electrician	Mike Lujan	6 August 2021	8 August 2021
Submit Dig Line	Kyle Land	4 August 2021	6 August 2021
Order Supplies/equip	Mike Lujan	11 August 2021	20 August 2021
Fiber Hut Foundation	Marty Ytuarte	19 August 2021	23 August 2021
Receive Equipment	Fiber Optic Dept.	23 August 2021	24 August 2021
Bore to Ridgecrest	Kyle/Danny	25 August 2021	15 September 2021
RR Park Site Prep	Kyle/Danny	16 September 2021	16 September 2021
RR Park Bore to Site	Kyle/Danny	20 September 2021	21 September 2021
RR Park Tower Setup	Kyle/Danny/Contract	22 September 2021	30 September 2021
Hub Wi-Fi Setup	Allied/Fiber Dept	4 October 2021	6 October 2021
Fiber Hut Inst	Contract/Fiber Dept	7 October 2021	14 October 2021
Fiber Hut Electronics	Allied/Fiber Dept	18 October 2021	21 October 2021
Bore/connect Huts	Kyle/Danny	21 October 2021	28 October 2021
Run Fiber to Ridgecres	Kyle/Danny	1 November 2021	4 November 2021
Ridgecrest Wi-Fi setup	Allied/Fiber Dept	8 November 2021	11 November 2021
Optimist Park Bore	Kyle/Danny	15 November 2021	16 November 2021
Optimist Park Wi-Fi	Allied/Fiber Dept	16 November 2021	23 November 2021
Buffer time/Complete	As Required	24 November 2021	7 December 2021
mpletion/Reimbursme	Fiber Team	7 December 2021	16 December 2021

STATE OF IDAHO
COUNTY OF ELMORE

The undersigned, RICH SYKES, representing the CITY OF MOUNTAIN HOME, 160 S 3RD E, MOUNTAIN HOME, IDAHO, hereby swear (affirm) that:

1. I am MAYOR of CITY OF MOUNTAIN HOME and thereby authorized to make these statements.

2. I have personal knowledge of the facts herein and can testify completely thereto.

3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.

   i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.

   ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

The City of Mountain Home will meet the CARES Act criteria by building a fiber hut in the SW side of the city and adding equipment to the Fiber Department. This will fulfill a need stated under a public health emergency. It will include technological improvement, allow measures to facilitate distance learning, in connection with school closings; improve telework capabilities for public employees; and improve public safety. It will allow broadband speeds of up to 1,000 Mbps download and 1,000 Mbps upload symmetrical. It will also provide Wi-Fi in four public parks within Mountain Home: Ridgecrest Park, Optimist Park, Railroad Park and the Hub. It will allow users up to 100 people to simultaneously access minimum broadband speeds while maintaining social distancing.

Signature

7/13/2021
Date

SUBSCRIBED AND SWORN before me on this 13 day of July.

Signature

Notary Public for STATE

Residing at Elmore County

Commission expires 8/24/2021

TIFFANY M. BELT
COMMISSION #66161
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 08/24/2021

city of Mountain Home

July 15, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

This letter is in support of the SW Mountain Home Broadband Project and the City's application for the CARES Act, Idaho Broadband Fund. This project has been discussed and is fully supported by our City Council.

Reliable internet connectivity is essential in the 21st century. Just as electricity enables the first industrial revolution, fiber optic infrastructure is the foundation for the digital revolution. Residents in our city have been paying way too much for mediocre access to the internet. The City of Mountain Home has made it a key priority of the city to build and establish local control of this essential infrastructure. The goals of the city for this project include the following:

1. Lower the cost of the internet access by 25% - 30% for the residents and businesses.
2. Significantly increase the speed and reliability of internet access up to 1,000 x 1,000 Mbps.
3. Increase competition and give residents multiple options for ISP's on demand in real time.
4. Build a state-of-the-art network that will improve economic development and foster innovation.
5. Leverage the network to improve the services provided in the city including public safety, transportation, healthcare, education, emergency communications, and new services that will become possible with advanced network infrastructure.

The city is not trying to compete with the private sector. We will simply build and operate the fiber optic infrastructure. This infrastructure will be open to any service provider that seeks to offer services in the city. We have adopted this open model to achieve its goals because the network will touch nearly everything that is important for the city and its citizens.

Thank you for your consideration to fund this broadband request from the City of Mountain Home.

Sincerely,

Rich Sykes
Mayor of Mountain Home

July 14, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

I am writing to express Sav-Mor Drug Community Health's support in the application for funding needed to build the SW Mountain Home Broadband Project through the State of Idaho Public Broadband Cares Act Grant.

The City of Mountain Home is developing a broadband system to meet the citizens needs of telehealth, distance learning and enhance safety aspects by developing an operable broadband network within the city. To continue forward with Mountain Home's commitment to create reliable internet connectivity, the southwest side of the cities backbone and fiber hut needs to be completed through this grant request. In addition to health and safety for our families, we believe that strong partnerships between area businesses, schools and services are crucial to the success of our community. The City of Mountain Home is part of an overall effort to encourage distance learning, telehealth and provide our citizens with the best broadband available to reach those goals. Being a recipient pharmacy of this grant and getting connected to the fiber optic infrastructure will increase our telehealth capabilities and aid in the recovery from the Covid-19 Pandemic.

Sav-Mor Pharmacy mission is "Caring for you and about you is our number one priority." We are a locally owned pharmacy who makes a point to know every customer by name and provide the community with fast, friendly, professional service and the highest-quality medicines and health products. We support the efforts of the City of Mountain Home's request for funding their broadband project and we thank you for your time and consideration.

Sincerely,

Jeff James Pharm D

Sav-Mor Drug

MOUNTAIN HOME SCHOOL DISTRICT 193
470 North 3rd East P.O. Box 1390 Mountain Home, Idaho 83647-1390

James G. Gilbert, Superintendent
(208) 587-2580
FAX (208) 587-9896
www.mtnhomesd.org

July 13, 2021

City of Mountain Home
PO Box 10
Mountain Home, ID 83647

Re: Letter of Support- SW Mountain Home Broadband Project

To Whom It May Concern:

I am writing this letter of support for the Mountain Home Broadband Project funding through the Idaho Broadband Fund. This grant will provide distance learning opportunities for students within the Mountain Home School District and opportunities for higher education for community members.

The City of Mountain Home currently has inadequate speeds for those who wish to gain access to on-line education. The broadband network the city will build will significantly increase the speed and reliability of internet access up to 1,000 x 1,000 Mbps; speeds we do not have access to now. This project will also create Wi-Fi in four parks within Mountain Home and allow students a place to go should they not have internet access in their homes. Many students within School District #193 are at a disadvantage compared to other districts because of our lacking broadband infrastructure in Mountain Home. This project will build a state-of-the-art network that will improve economic development and foster innovation for our students. This network will also improve the services provided in the city including public safety, healthcare, education, telehealth, and emergency communications.

The Mountain Home School District supports and appreciates the efforts of the City of Mountain Home to provide educational enhancements to our City for all students and citizens. If I can be of further assistance in the matter, please feel free to contact me at (208) 587-2580.

Sincerely,

James G. Gilbert
Superintendent
Mountain Home School District #193

July 12, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Re: Maintenance of Broadband Infrastructure

Dear Director Kealey,

The Mountain Home Fiber Department currently provides year around maintenance to the City's Fiber network. These includes the current fibers hut located on N 5th East and N 3rd East Streets.

The City of Mountain Home Fiber Department is committed to keeping the fiber facilities and infrastructure in excellent condition throughout the year and maintain all improvements added. As the city, we strive to create distance learning opportunities, telework opportunities and to improve the public safety organizations within Mountain Home. This request will add Wi-Fi in four parks within Mountain Home so students can "plug-in", employees can work, and telehealth appointments can continue while accessing this new Wi-Fi service. We believe adding to our broadband reach to the southwest side of the city will help us achieve our goals as a community, will attract more users and provide extended opportunities for connectedness.

Thank you for your consideration to fund these broadband improvements to the City of Mountain Home.

Sincerely,

Kyle Land
Fiber Optics Foreman

July 13, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

I am writing to express St. Luke's Community Health's support in the application for funding to build the SW Mountain Home Broadband Project through the Idaho Broadband Fund.

The City of Mountain Home is developing a broadband system to meet the community members' needs of telehealth, distance learning and enhanced safety aspects by developing an operable broadband network within the city. To continue moving forward with Mountain Home's commitment to create reliable internet connectivity, a fiber hut in the southwest side of the city needs built. The needed fiber equipment for the addition of Wi-Fi in public areas is requested through this grant.In addition to health and safety for our families, we believe that strong partnerships between area businesses, schools and services are crucial to the success of our community. The City of Mountain Home is part of an overall effort to encourage distance learning, telehealth and provide our citizens with the best broadband available to reach those goals.

St. Luke's mission is to improve the health of people in the communities we serve, and building strong partnerships is one way we strive to achieve that mission, working better together. We support the efforts of the City of Mountain Home and their request for funding the broadband project. We thank you for your time and consideration in supporting our community.

Sincerely,

Angie Gribble
Community Health Director
St. Luke's Health System

Mountain Home Chamber of Commerce
Bringing Business and Community Together

July 13, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

The Mountain Home Chamber of Commerce is writing this letter in support of the City of Mountain Home's application for the CARES Act Broadband Grant. We strongly support the intended use of the grant money for the SW Mountain Home Broadband Project.

The City of Mountain Home is working to attract new business, improve public safety opportunities through telehealth, distance learning and increase job opportunities that would improve the entire community of Mountain Home. A 2018 Economic Impact Assessment from Boise State University has projected a positive impact for Mountain Home in income, safety, and health opportunities from revitalizing our downtown area, which includes adding broadband opportunities within our community.

We believe the Idaho Broadband Fund is investing in our future business growth, the safety of our community and creating a better quality of life for all citizens of Mountain Home. Please consider Mountain Home for this grant opportunity to complement and enhance the well-being of our community and citizens who reside here.

Sincerely,

Julie Davis
Executive Director
Mountain Home Chamber of Commerce

205 North 3rd East • Mountain Home, ID 83647
208-587-4334
www.mountainhomechamber.com
chamber@mountainhomechamber.com

city of Mountain Home

July 14, 2021

To: Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

From: Michael Lujan, Fiber Optic Administrative Assistant

Letter of Support for Cares Act Broadband Grant

Dear Director Kealey,

1. The Fiber Optic Department is continually working on building and expanding the fiber optic infrastructure. The pandemic was truly an eye opener to us and demonstrated the need for the fiber optic infrastructure expansion. We have made some very good progress with the fiber infrastructure build and projects we have completed but we still have a lot of work ahead of us.
2. For this grant proposal we will be submitting to provide further infrastructure builds on the southwest side of the city to provide fiber broadband access and enough access points to support the current and future developments.
3. Building the Fiber infrastructure has been no small task, but we highly support the upcoming grant proposal; our southwest side of the city is in need of access points and connection points to provide options for telehealth, telework, and distance learning.
4. If granted funding our team is ready and capable to complete this project; we have thoroughly thought out and planned to be able to successfully complete the project by the deadline of 31 December 2021.
5. Thank you for your consideration to fund these broadband improvements to the City of Mountain Home Idaho. If you have any questions about this letter of support, please contact Michael Lujan at mlujan@mountain-home.us or 208-580-3047.

Very Respectfully

Michael Lujan

MOUNTAIN HOME POLICE DEPARTMENT

2775 E. 8th North Street, Mountain Home, ID 83647
Phone 208.587.2101 ● Fax 208.587.0180 ● www.mhpd.net

Chief Scott Conner

July 13, 2021

Tom Kealey, Director
Idaho Department of Commerce
PO Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

I am writing to express the Mountain Home Police Department's support in the application for funding needed to build the SW Mountain Home Broadband Project through the CARES Act, Idaho Broadband Fund.

The City of Mountain Home is in dire need of broadband to meet the citizens needs of telehealth, distance learning and enhance safety aspects of having an operable broadband network within the city. To continue forward with Mountain Home's commitment to create reliable internet connectivity, broadband on the southwest side of the city needs to be completed. In addition to safety efforts for our families, we believe that strong partnerships between area businesses, schools, churches, services, and neighborhoods are key to the success of our community. Safe connectivity and access between these institutions will ensure our community prospers now and into the future. This community is part of an overall effort to encourage distance learning, telehealth and provide our citizens with the best broadband available to reach those goals.

Mountain Home Police Department wishes to promote service that has previously been underserved within our city. The SW Mountain Home Broadband Project will do just that; it will help to safely connect our city, create economic opportunities, and bring this community into the 21st century.

Thank you for your time and consideration. If there is anything else that the Mountain Home Police Department can do, please feel free to contact me.

Sincerely,

Scott Conner
Chief of Police

13.B.1 Executive Summary

The deployment of a fiber optic utility throughout the city is intended to meet critical service needs.

As such, the fiber optic infrastructure will be implemented as a public works project, and managed as a public utility.

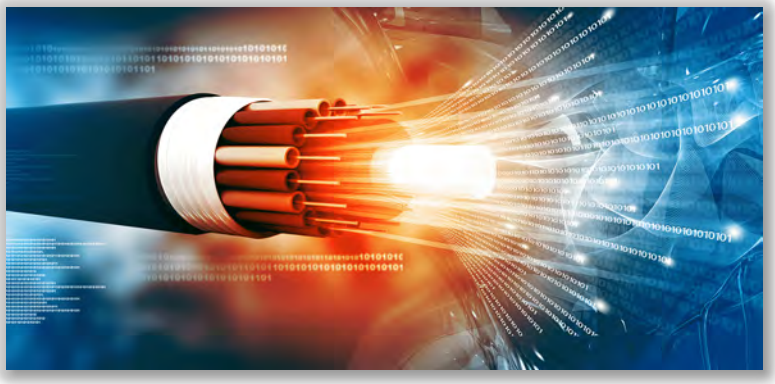
Reliable internet connectivity is essential in the 21st century. Just as electricity enabled the first industrial revolution, fiber optic infrastructure is the foundation for the digital revolution. Since the residents and business owners in Mountain Home have been experiencing mediocre access to the internet for some time, Mountain Home's Mayor and City Council have made it a key priority of the City to establish local control of a City-run essential utility. The goals of the City for this project include the following:

1) **Lower the cost of internet access by 25% - 30% for the community.**
2) **Significantly increase the speed and reliability of internet access.**
3) **Increase competition and give residents multiple options for ISPs.**
4) **Build a state-of-the-art network that will improve economic development and foster innovation.**
5) **Leverage the network to improve the services provided in the city including public safety, transportation, healthcare, education, emergency communications, and new services that will become possible with advanced network infrastructure.**

The City is not trying to compete with the private sector. The endeavor simply involves the City building and operating the fiber infrastructure. This infrastructure will then be open to any service provider that seeks to offer services in Mountain Home. The City has adopted this model to achieve its goals because the plan involves nearly every priority of the City.

13.B.2 What is Fiber?

Fiber optic cable is an innovative type of signal delivery system. Instead of sending electrical signals over copper wire or radio waves transmitted through the air, fiber uses small strands of glass to send light signals over great distances. Fiber is not only the fastest way to send data, it's also stronger, more reliable, and harder to hack than cable, DSL, or fixed wireless. Fiber is not subject to interference like copper or wireless, so it won't matter if the weather gets bad or if everyone in the neighborhood is streaming at the same time.



13.B.3 How Fast is Fiber?

FAST.

Not just fast.

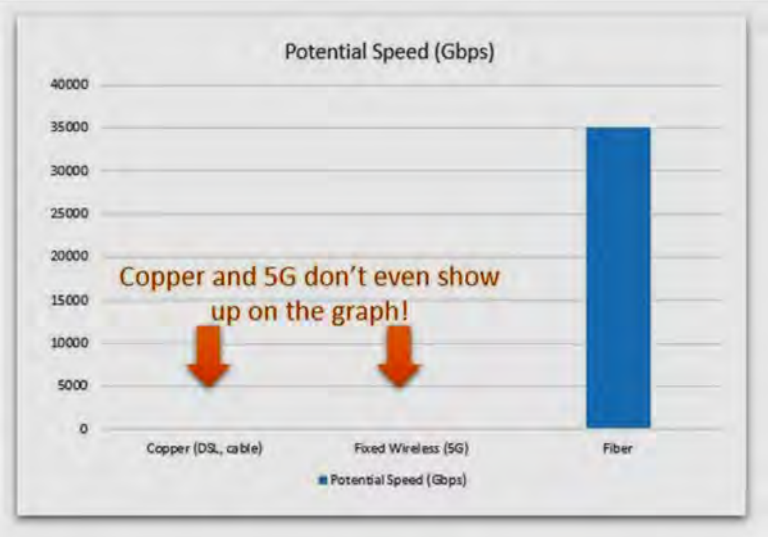
The fastest there is — **by far**.

Graph 13.B.1 shows a comparison of recently tested **'maximum transmission speeds'** (how fast each type of technology has tested in a technology in a lab).

DSL and Cable, as well as 5G, did not score high enough to show up on the graph in comparison to the Fiber.

Bandwidth demand based on modem speed was 120 Mbps in 2014. Bandwidth demand grows by a surprising amount each year. While a number of different media can satisfy current bandwidth requirements, only fiber can satisfy future demand requirements. In fact, fiber has another 2000x more capacity using "today's" technologies.

Graph 13.B.1

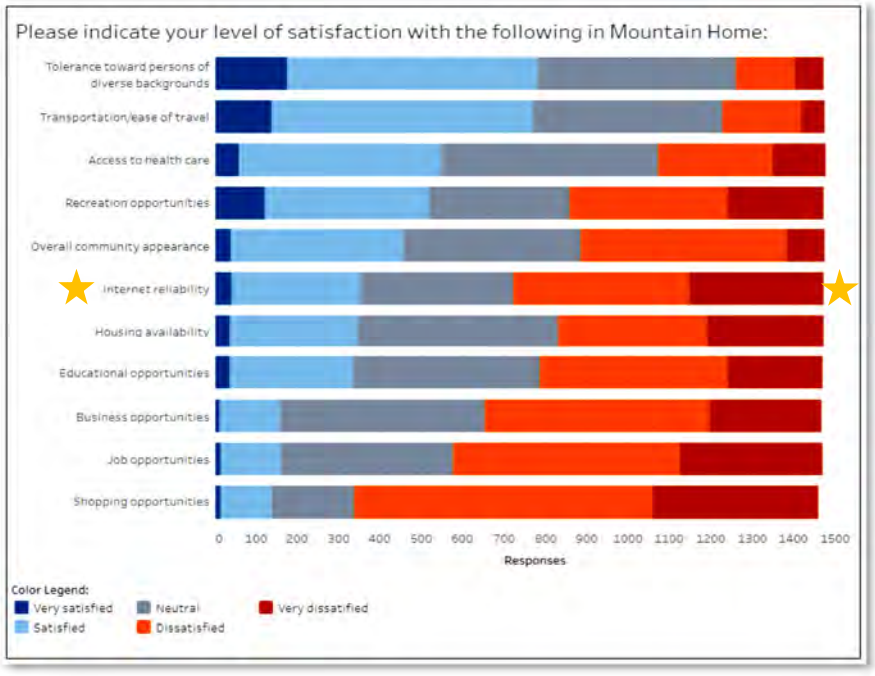


13.B.4 Community Interest

Is there community support for this new City utility?

The results from the public survey conducted for this Comprehensive Plan update shows a strong relationship between the public's desire for increased and enhanced internet connectivity and the City's decision to implement a fiber utility (see graph on the right).

Additionally, **Map 13.B.1** on the next page illustrates the area where residents and businesses have expressed specific interest in learning more about, and/or even signing up, to be part of the City's fiber network utility (per a separate survey done for the purpose of the fiber project, via the fiber utility website).



13.B.5 Goal 1

Successfully execute installation of fiber optic utility city-wide for the benefit of the community.

A. Prior to launch, establish Codes, Ordinances and Policies that will protect City and subscribers, and provide clear directives in deployment of and using the program.

B. Develop systems at the City to support the functioning of the project and provide customers an avenue of quality service.

C. Identify and engage potential project partners (Construction, Middle Mile, ISP).

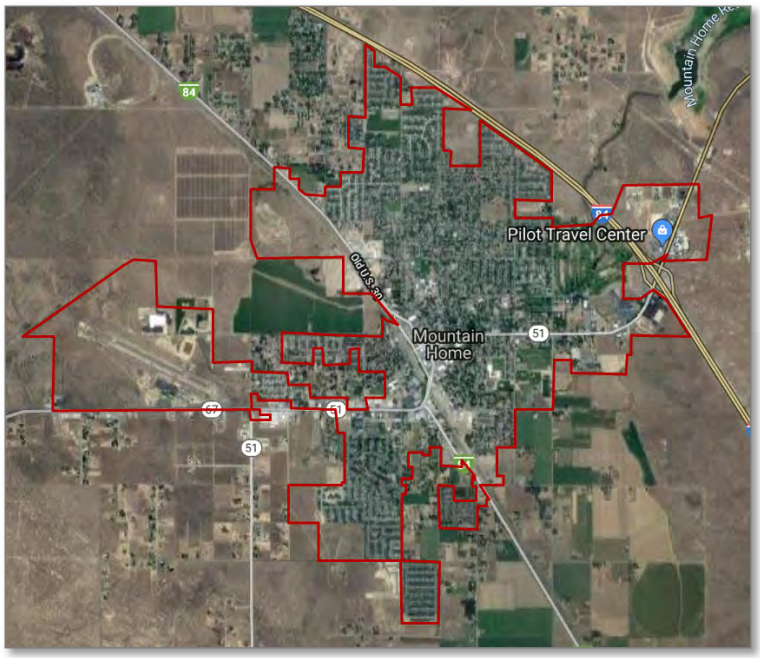
D. Create plan for construction and long-term financing

E. City goal is to eventually deliver free WI-FI to all municipal parks and other public facilities.

F. Create Community Engagement Plan and begin process of executing Plan.

G. Deploy fiber optics as a utility throughout the city, starting in the highest demand areas.

Map 13.B.1



Map showing geographic areas from which public interest in the fiber utility has been expressed; by both potential residential and commercial users.

City of Mountain Home, Idaho
Broadband Policy

Adopted by City Council
Effective
October 10, 2018

CITY OF MOUNTAIN HOME BROADBAND POLICY

Affordable and robust broadband is essential for communities today. This policy addresses and establishes broadband service and infrastructure concerns while establishing a broadband policy for the City of Mountain Home with some short term goals, departmental responsibilities and level of performance expected of City employees.

BROADBAND POLICY
TABLE OF CONTENTS

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Purpose	1
Executive Summary	1
Policy	1
Responsibility	1

Purpose:
The purpose of this document is to establish a broadband policy for the City of Mountain Home.

Executive Summary:
Fiber infrastructure is as important to communities as streets, electricity, water and wastewater. Network jacks are becoming as common as electrical outlets. When such essential networks are inoperable our communities, including businesses, schools, hospitals and local governments are compromised in their ability to function. Communities are advanced by universal access to affordable and dependable broadband access.

Fiber infrastructure and services affect economic growth. While our community is able to receive basic broadband services, we pay a higher rate for these basic services than some other communities. Prospects for either decreases in costs for services or improvements in service anytime in the foreseeable future are not evident. The business model followed by the incumbent broadband service providers precludes them from upgrading their redundant infrastructure or improving their services without increasing costs.

DSL and cable networks cannot offer the speeds required to operate some services required today by both businesses and residents. Such basic, essential services would include, but are not limited to, large file transfers or over the top video services. Businesses, local governments, and citizens all need affordable and fast access to information networks. Therefore, we find cities throughout the country taking an interest in fiber services and infrastructure.

Policy:
Fiber is all about sustaining the economic viability of the City and the City of Mountain Home feels that broadband is a basic and essential service that should be offered to every citizen of the City. Such services can be addressed and offered by the City implementing a new municipal fiber utility.

Responsibility:
The City of Mountain Home hereby tasks the following individuals below with performing a feasibility study regarding development of a working business model for consideration by the City Council.

1. A committee made up of the Mayor, City Clerk, City Treasurer, IT Manager and Fiber Manager, under the direct supervision of the Mayor, is assigned to complete this endeavor. Within the scope of their ability, the committee will devote the necessary time and energy to the creation of a feasibility study and business model for a City of Mountain Home Broadband Municipal Network. As long as the funds needed to resolve these immediate goals are available within the approved budgets, the City Council agrees that the Mayor may individually approve these expenditures from department budgets;

2. The City will partner with Entry Point Networks in pursuing the following deliverables;
    a. A City of Mountain Home Municipal Fiber Network Feasibility Study;
    b. A working business model;
    c. A recommended next step or proof of concept.

3. The City Clerk together with the Mayor will be responsible for technical review of the feasibility study and business model while still maintaining their departmental priorities.

This Policy was Approved and Adopted by the City Council on the 9th day of October, 2018, to be Effective as of October 10th, 2018, with the understanding that the policy is open to revision as the project evolves.

RESOLUTION NO. 33-18

A RESOLUTION OF THE CITY OF MOUNTAIN HOME, IDAHO, APPROVING AND ADOPTING A BROADBAND POLICY FOR THE CITY OF MOUNTAIN HOME AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, pursuant to Idaho Code § 50-301 the City of Mountain Home may exercise all powers and perform all functions of local self-government in city affairs as are not specifically prohibited by or in conflict with the general laws or the constitution of the State of Idaho, and,

WHEREAS, the City feels that fiber optic infrastructure is an essential and necessary infrastructure for the citizens of the City so that the citizens have broadband access, and,

WHEREAS, the Mayor and Council agree that it is in the best interest of the City and its citizens to adopt a written policy recognizing the importance of a fiber optic infrastructure for the citizens, and,

WHEREAS, the City Council and Mayor have reviewed the Broadband Policy and believe the proposed policy should be adopted, to be effective as of the 10th day of October, 2018, NOW, THEREFORE;

BE IT RESOLVED by the Mayor and Council of the City of Mountain Home, Idaho, as follows:

1. That the attached Broadband Policy is hereby approved and adopted as the broadband and fiber optic infrastructure policy for the City of Mountain Home, Idaho, effective the 10th day of October, 2018.

PASSED by the Council of the City of Mountain Home, Idaho and approved by the Mayor this 9th day of October, 2018.

Rich Sykes, Mayor

ATTEST:

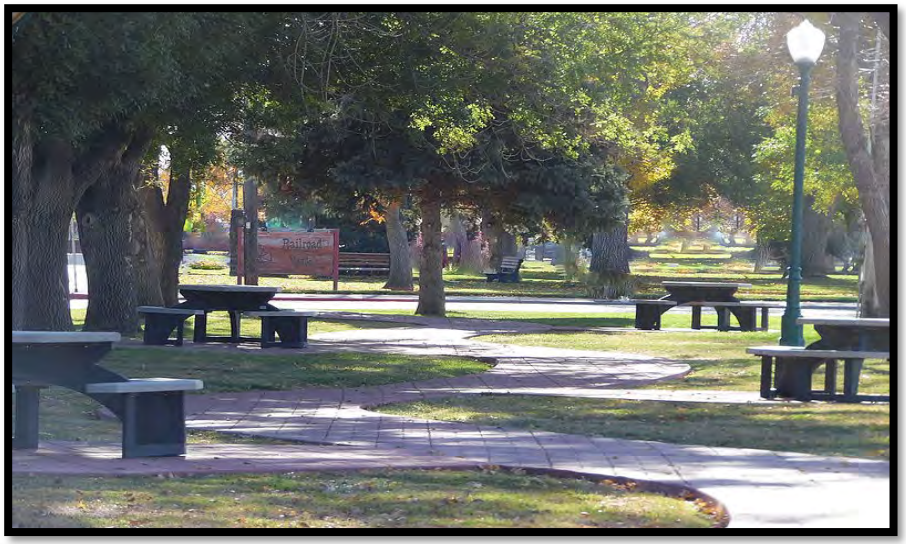
Nina Patterson, City Clerk

OPTIMIST PARK

Optimist Park is a 40-acre park which offers a wide spectrum of events. It includes softball fields, a rodeo arena, BMX track, motocross track, disc golf course, gazebos and lots of green space.

RAILROAD PARK & HUB PLAZA

Railroad Park is a meandering downtown park paying homage to Mountain Home's rich railroad history. It is home to the Farmer's Market, Saturdays from May through October. The HUB Plaza is a new addition to Mountain Home's downtown featuring a giant play structure, a performing arts stage, interactive musical instruments and downtown parking.

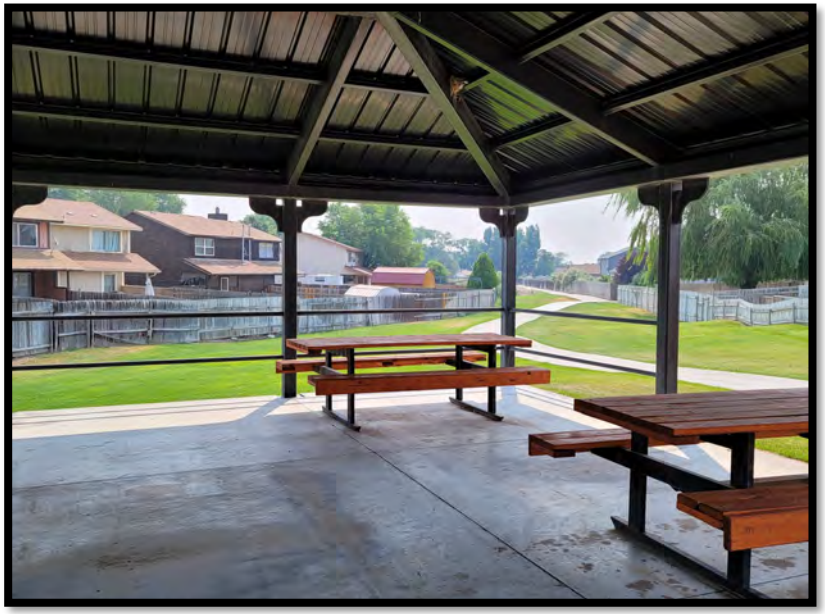


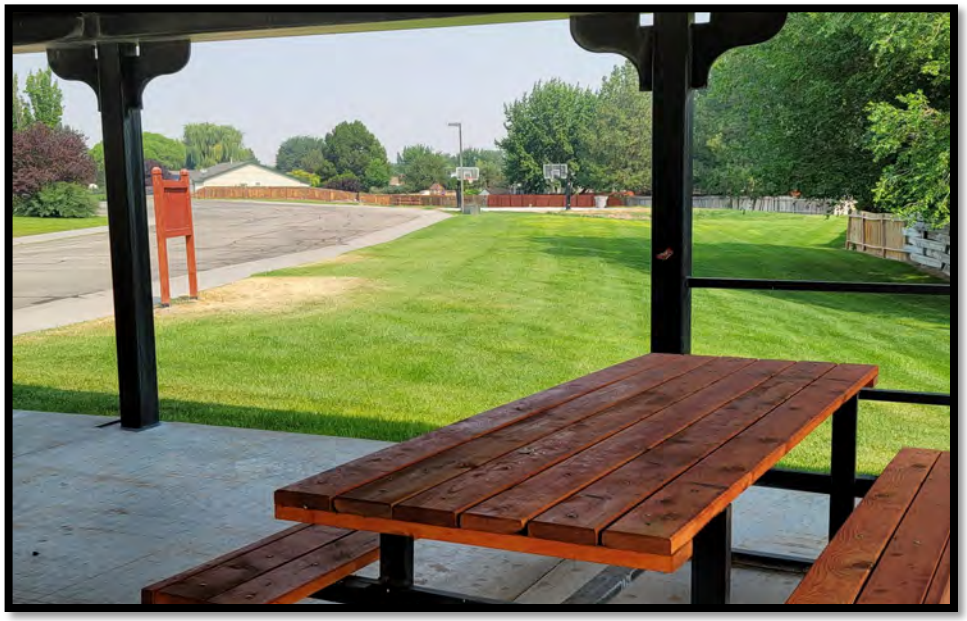
FIBER HUT

Located near the Parks and Recreation building, the future home of the Fiber Hut is centrally located within Mountain Home's Southwest side of town near residential areas.

RIDGECREST PARK

Ridgecrest Park is one of Mountain Home's neighborhood parks, a unique park featuring a basketball court, play structures, gazebos, green space and water features.





To whom it may concern:

Wild West Home of Mamma Italia in Eagle at 83 E. State Street is interested and will be supporting the city of Eagle in regards to a solution for a broadband package for the downtown area.

We are limited now with our options and set up so having a better and solid one would help our business as well as others run smoothly.

Regards,

Domenico Erme

eagle
CHAMBER OF COMMERCE

July 14, 2021

Idaho Commerce
Attn: Eric Forsch, Broadband Development Manager
Eric.forsch@commerce.idaho.gov
208-287-3153

RE: Idaho Broadband Fund: CARES Act Broadband Grant

Dear Mr. Forsch &/or To Whom It May Concern:

I am writing on behalf of the Eagle Chamber of Commerce to express our full support to participate in the efforts of our City of Eagle to apply for and obtain a grant for broadband within our downtown. Our small community and businesses could benefit greatly from better online access and technologies.

We sincerely appreciate that you are considering our effort in Ada County to participate in the program and we hope to be one of the communities that are selected to participate in the program.

Thank you.

Sincerely,

Jennifer Stutheit

Jennifer Stutheit

Executive Director
EAGLE CHAMBER OF COMMERCE
www.eaglechamber.com
208.939.4222
jennifer@eaglechamber.com

Meg Glasgow
FINER FRAMES
132 E State Street
Eagle, Idaho 83616

July 14, 2021

Re: Letter in support of broadband in downtown Eagle

As the population of our small community continues to explode at a rapid rate, essential services, like internet access, become even more critical.

My business depends on high internet speeds for cloud access, sharing files, streaming music, marketing and more. Internet outages are a frequent annoyance that disrupts business activities. Inadequate band width also limits what our team can do in service to our clients.

We've switched internet providers to try and solve the problem. We've reduced employee access to our network, which is far from ideal. We need a better solution to meet the demands of our growing business.

Please accept this letter of support for the City of Eagle to secure grant funding for the benefit of our downtown.

Thank you.

Meg Glasgow

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Steven Twilegar
Applicant ID	APP-004784
Company Name	Boise County
Recipient Address	Boise County Summit Flat Rd Idaho City, ID 83631
Phone	(208) 392-4431
Email	stwilegar@co.boise.id.us
Amount Requested	$680,810.00
Status	Submitted
Funded	☐

Application Title: Boise County - Lowman Broadband Project

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

a. Steven Twilegar
b. Commission Chairman
c. PO 1300 Idaho City, Idaho 83631
d. stwilegar@co.boise.id.us
e. 208-392-4431

Question: List the cities/communities in the census blocks where the project(s) will take place.

The Unincorporated City of Lowman and contiguous Boise County households.

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

a. Jake Goddard, Disaster Recovery Assistant
Region IV Development Association
b. jgoddard@csi.edu
c. 208-732-5727 Extension – 3013

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The project will allow 165 underserved locations, which include anchor institutions and homes, to have broadband speeds greater than 100/10 Mbps. Fiber to the Home (FTTH) broadband services will be installed to these locations. The broadband services that are currently available in this area are a maximum of 10/2 Mbps as services are currently delivered via ADSL. New fiber would be installed to each location allowing the school, businesses, emergency services, and homes in this area to take advantage of access to truly high-speed broadband.

Due to the remote location, services are currently delivered via a microwave backhaul (or transport). Additional transport will be added to increase the backhaul into the Lowman area in order to support increased bandwidth consumption.

The scope of work includes:

1. Install new radios on Jackson Peak and at 9 Telephone Dr, Lowman, ID.

2. Install new GPON cabinets and shelves to support fiber distribution

3. Installing fiber in conduit along sections of Hwy 21, Banks Lowman Rd, River Front Rd, Rock Creek Dr, N Shore Drive, Hall Dr, Plateau Rd, Lewis Dr

4. Installing fiber drops to the locations

ISPs that can provide the proposed service include Cambridge Telephone Co., Inc.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

Locations that will benefit from the broadband services are Lowman Elementary, Lowman Volunteer Fire, Boise National Forest – Lowman Ranger Station, and community members who will have more stable and higher bandwidth connections to allow for telehealth or education opportunities.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

Current upload speeds in this community do not allow for students to actively participate in online format of education, or patients/physicians to participate in telehealth video conferences. This project would increase upload speeds well over current standards for video conferencing requirements. Additionally, increased bandwidth would be available to current locations for emergency services.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

The project will deploy a fiber network that decreases operational expenses and increases efficiency in deployment as fiber networks require fewer truck rolls and human intervention in order to activate services. It also future-proofs for future technologies that evolve so that new facilities can be placed in installed in conduit as the industry evolves. The lower overhead will result in lower-cost plans for consumers in this community.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

The Lowman Broadband project does not have a matching component for the unincorporated city or the contiguous county households. However, they will be working together to utilize this

unique broadband plan.

Question: Estimated total project cost?

680810.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

160 households will be connected to broadband service under the scope of this grant.

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

$4,223.81

Question: What is the maximum broadband speed that will be provided by the project?

Maximum broadband speed would be 1000/1000 Mbps.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

All permits and permissions should be obtainable for this project to be completed by 12/31/2021.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Cambridge Telephone Company, Inc. will be providing the broadband service and own the broadband infrastructure.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The Boise County Commissioners have contracted with Region IV Development Inc. to administer this Idaho Broadband Project. They will audit and maintain the accounting processes throughout this grant project. Region IV Development (RIVDA) will complete all closeout documents which include certifications, auditing and accounting documents relating to this project.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No, they have not received Federal funds in the past two(2) years.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

Yes, Lowman Elementary receives E-Rate, however state funding does not reach the contiguous households of unincorporated Lowman and Boise County. This state funding

opportunity will provide the necessary funding for broadband expansion.

Question: Include any other relevant information as to why your project should be considered for funding.

The Lowman area is an increasingly popular area for tourism and outdoor enthusiasts. This increase in traffic has also increased the need for available emergency services. This area has little cell coverage and there is an increased need to broadband and/or public wifi areas for connectivity. This project will allow for increased connectivity in the community and increase safety and decrease emergency response times.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

Boise_County-Lowman_Idaho_Broadband_Speed_Tests_2021.pdf (7/15/2021 10:29 AM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

SHP Files.zip (7/15/2021 2:49 PM)
Lowman.kmz (7/15/2021 2:48 PM)
Lowman-Boise_County_Scope_of_Work_2021.pdf (7/15/2021 2:31 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Lowman-Boise_final_Broadband_Grant_Budget_2021.pdf (7/15/2021 2:36 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Lowman-Boise_Broadband_Project_Schedule(1).pdf (7/15/2021 2:39 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Lowman_Idaho_Broadband_CARES_Act_Certification.pdf (7/16/2021 3:00 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

No Attachments

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

Garden_Valley_School_District_Letter_of_Support(1).pdf (7/15/2021 3:28 PM)

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

Contract.pdf (7/16/2021 3:07 PM)
Resolution 2021-32.pdf (7/16/2021 3:06 PM)
Resolution 2021-31.pdf (7/16/2021 3:05 PM)

The speed test results below are data points required for Performance Measure Testing by the FCC/USAC. This data can be run at any point in time, but the tests run over a set time period and will only run when there are less than 64 kbps of bandwidth being used at the location. Data is then aggregated and averaged over that time period (e.g. 3 days) for speed tests back to an identified server. In this example, the server is the CenturyLink server which is the IXP for the SW Idaho region.

Address	Average of Speed (Mbps)
11 VICTORY LN	**3.19**
Download	5.63
Upload	0.74
12 JOLENE DR	**5.83**
Download	10.34
Upload	1.31
14 SILVER FOX DR	**4.29**
Download	7.20
Upload	1.37
15 PLATEAU RD	**4.64**
Download	8.77
Upload	0.51
18 HALL DR	**2.15**
Download	3.46
Upload	0.84
22 LICK CREEK CIR	**5.10**
Download	9.64
Upload	0.57
22 RIVER FRONT RD	**5.55**
Download	9.47
Upload	1.64
25 HALL DR	**6.14**
Download	10.54
Upload	1.73
31 LEWIS DR	**1.13**
Download	1.42
Upload	0.85
32 HALL DR	**8.58**
Download	15.31
Upload	1.86
3487 BANKS LOWMAN RD	**4.82**
Download	8.83
Upload	0.82

P. O. Box 88 • Cambridge, ID 83610 • (208) 257-3314 • (208) 229-1002 Fax

36 RIVER FRONT RD	**5.73**
Download	9.71
Upload	1.74
40 ROCK CREEK RD	**5.88**
Download	9.96
Upload	1.80
48 OSPREY DR	**5.34**
Download	9.05
Upload	1.63
5 RIVER FRONT RD TRAILER A	**5.59**
Download	9.59
Upload	1.59
5 SHIRTALE CT	**5.35**
Download	8.74
Upload	1.97
7 LEWIS DR	**2.34**
Download	3.85
Upload	0.83
7 LICK CREEK CIR	**6.04**
Download	10.47
Upload	1.62
8 JOES LN	**3.69**
Download	6.57
Upload	0.81

P. O. Box 88 ● Cambridge, ID 83610 ● (208) 257-3314 ● (208) 229-1002 Fax

BOISE COUNTY
BOARD OF COUNTY COMMISSIONERS
P. O. Box 1300
Idaho City, Idaho 83631
(208) 392-4431
FAX (208) 392-4473

Robert T. Holmes District II Commissioner
Steven M. Twilegar District I Commissioner
Ryan T. Stirm District III Chairman
Mary Prisco Clerk to the Board

PROJECT ADMINISTRATION CONTRACT

This contract is entered into this 16th, day of July, 2021 , by and between the COUNTY OF BOISE, whose address is: PO BOX 1300, Idaho City, Idaho, 83631, herein referred to as the "County", and REGION IV DEVELOPMENT ASSOCIATION, INC., whose address is 202 Falls Ave., P.O. Box 5079, Twin Falls, Idaho 83303-5079, herein referred to as the "Administrator", Witnessed:

WHEREAS, the County is making application to the Idaho Broadband Fund, herein referred to as "the Department", for the receipt of grant funds under the Idaho CARES Act Broadband Grant program for the purpose of improving broadband access in the area; and

WHEREAS, the County desire to engage the Administrator to render certain services related to the administration of the above described project; and

WHEREAS, to ensure effective management of the above project, it is deemed to be in the best interest of the County to enter into an agreement with the Administrator as hereinafter provided.

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. EMPLOYMENT OF CONTRACTOR
   The County agrees to engage the Administrator, and the Administrator agrees to provide the services described in Section 6 in order to provide for the Administration and Management of the above referenced project for the County as approved by the Department.

2. EMPLOYEE-EMPLOYER RELATIONSHIP
   The contracting parties warrant by their signature that no employer-employee relationship is established between the Administrator and the County by the terms of this contract. It is understood by the parties hereto that the Administrator is an independent contractor and as such neither it nor its employees, if any, are employees of the County for purposes of tax, retirement system or social security (FICA) withholding.

3. CONTRACTOR'S INSURANCE

The Administrator warrants that it has obtained, and will maintain at its expense for the duration of this Contract, statutory worker's compensation coverage, employer's liability, and comprehensive general liability insurance coverage for its principals and employees for the services to be performed hereunder. The comprehensive general liability insurance shall have, at a minimum, a coverage limit of at least one hundred thousand dollars ($100,000) per claim, and five hundred thousand dollars ($500,000) aggregate.

4. LIAISON

The County's designated liaison(s) with the Administrator is_____, County _____, County Clerk. The Administrator's designated liaison with the RIVDA is Georgia Dimick or Jake Goddard.

5. EFFECTIVE DATE AND TIME OF PERFORMANCE

This Contract takes effect_____. The services to be performed by the Administrator will be completed no later than December 20, 2021, as identified by the conditions of the grant program. If the services covered by this agreement have not been completed by December 2021, through no fault of the Administrator, compensation for the extension of the Administrator's services beyond this time shall be renegotiated.

6. SCOPE OF SERVICES

The Administrator will perform the services as identified and explained on "Attachment A – Scope of Work". It is understood and agreed by the parties that the services of the Administrator do not include any of the following: the disbursement or accounting of funds distributed by the County's financial officers, legal advice, engineering, construction management, inspection services, fiscal audits or assistance with activities not related to the project.

7. COMPENSATION

For the satisfactory completion of the services to be provided under this contract, the County will pay the Administrator a sum, not to exceed **$ 5,000.00** or 1% of the grant award. The amount paid for each scope of work activity is identified on "Attachment A – Scope of Work".

8. CONFLICT OF INTEREST

The Administrator warrants that it presently has no interest and will not acquire any interest, direct or indirect, in the project that would conflict in any manner or degree with the performance of its services hereunder. The Administrator further covenants that, in performing this contract, it will employ no person who has any such interest. Should any conflict of interest, as defined by the CDBG Administrative Rules, arise during the performance of this contract, it will be disclosed and managed in accordance with applicable rules and regulations.

9. MODIFICATION AND ASSIGNABILITY OF CONTRACT

This contract contains the entire agreement between the parties, and no statements, promises or inducements made by either party or agents of either party, that are not contained in the written contract, are valid or binding. This contract may not be enlarged, modified or altered except upon written agreement signed by both parties hereto. The Administrator may not sub-contract or assign its rights (including the right to compensation) or duties arising hereunder without the prior written consent of the County and appropriate funding sources. Any sub-Administrator or assignee will be bound by all the terms and conditions of this contract.

10. TERMINATION OF CONTRACT

This contract may be terminated as follows:

a. Termination for Convenience

The County and/or Administrator may terminate this contract in whole, or in part, for the convenience of the County or Administrator when both parties agree that the continuation of the project is not in the best interest of the parties and that further expenditure of funds will not produce any results. The parties shall agree in writing, upon the conditions, effective date, and fair and reasonable payment for work completed.

c. Termination for Cause

If the County determines that the Administrator has failed to comply with the terms and conditions of this contract, it may terminate this contract in whole, or in part, at any time before the date of completion. If the Administrator fails to comply with any of the terms and conditions of this contract, the County may give notice, in writing, to the Administrator of any or all deficiencies claimed. The notice will be sufficient for all purposes if it describes the default in general terms. If all defaults are not cured and corrected within a reasonable period as specified in the notice, the County may, with no further notice, declare this Contract to be terminated. The Administrator will thereafter be entitled to receive payment for those services reasonably performed to the date of termination, less the amount of reasonable damages suffered by the County by reason of the Administrator's failure to comply with this contract.

11. DOCUMENTS INCORPORATED BY REFERENCE

The County's application to the Department for Idaho CARES Act Broadband Grant Program funding, dated July 15, 2020, and all applicable federal and state statutes and regulations are incorporated into this contract.

12. CIVIL RIGHTS ACT OF 1964

The Administrator will abide by the provisions of the Civil Rights Act of 1964 that states under Title VI, no person may, on the grounds of race, color or national origin, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity receiving federal financial assistance.

13. SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974

The Administrator will comply with the following provision: No person in the United States may, on the grounds of race, color, national origin or sex, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity funded in whole or in part, with the funds made available under this title. Any prohibition against discrimination on the basis of age under the Age Discrimination Act of 1975 or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973 will also apply to any such program or activity.

16. NONDISCRIMINATION

The Administrator will not discriminate against any employee or applicant for employment on the basis of race, color, religion, creed, political ideas, sex, age, marital status, physical or mental handicap or national origin.

17. OWNERSHIP AND PUBLICATION OF MATERIALS

All reports, information, data, and other materials prepared by the Administrator pursuant to this contract are to be the property of the County and the appropriate funding agency partners which have the exclusive and unrestricted authority to release, publish or otherwise use, in whole or part. All such materials developed under this contract shall not be subject to copyright or patent in the United States or in any other country without the prior written approval of the County and funding agency partners.

18. REPORTS AND INFORMATION

The Administrator will maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this contract and such other records as may be deemed necessary by the County to ensure proper accounting for all project funds, both federal and non-federal shares. These records will be made available for audit purposes to the County or its authorized representative and will be retained for three (3) years after the expiration of this contract.

19. ACCESS TO RECORDS

It is expressly understood that the Administrator's records relating to this contract will be available during normal business hours for inspection by the County, agents of the appropriate funding partners (e.g. the Department), and, when required by law, representatives of the State of Idaho.

20. CONSTRUCTION AND VENUE

This Contract will be construed under and governed by the laws of the State of Idaho. In the event of litigation concerning it, venue is the *Fifth Judicial District in and for the County of Owyhee, State of Idaho.*

21. INDEMNIFICATION

The Administrator waives any and all claims and recourse against the County, including the right of contribution for loss and damage to persons or property arising from, growing out of or in any way connected with or incident to, the Administrator's performance of this contract except for liability arising out of concurrent or sole negligence of the County or its officers, agents or employees. Further, the Administrator will indemnify, hold harmless, and defend the County against any and all claims, demands, damages, costs, expenses or liability arising out of the Administrator's performance of this contract except for liability arising out of the concurrent or sole negligence of the County or its officers, agents or employees.

22. LEGAL FEES

In the event either party incurs legal expenses to enforce the terms and conditions of this contract, the prevailing party is entitled to recover reasonable attorney fees and other costs and expenses, whether the same are incurred with or without suit.

23. SPECIAL WARRANTY

The Administrator warrants that nothing of monetary value has been given, promised or implied as remuneration or inducement to enter into this contract. The Administrator further declares that no improper personal, political or social activities have been used or attempted in an effort to influence the outcome of the competition, discussion or negotiation leading to the award of this contract. Any such activity by the Administrator shall make this contract null and void.

IN WITNESS WHEREOF, the parties hereto have executed this contract on the 16th, day of July, 2021.

COUNTY OF BOISE

By: S. M. Twilegar

STEVEN M. TWILEGAR, Chairman

7/16/21

Date

Attest: Mary Prisco

MARY T. PRISCO, Clerk to the Board

REGION IV DEVELOPMENT ASSOCIATION, INC.

By: _____

Jeffrey C. McCurdy, President

_____

Date

Attest: _____

ATTACHMENT "A"

SCOPE OF WORK

The Administrator shall perform the activities as identified in this scope of work.

1. Project Planning and pre-development
   a. Meet with Boise County, Internet Service Providers, the Department and other stakeholders to discuss grant conditions, rules, and requirements.
   b. Explain to stakeholders about various funding program requirements. Detailing eligibility, application process, funding requirements, timelines, etc.
   c. Working with stakeholders to define "the project", for which funding will be applied for.
   d. Review data relative to project beneficiaries and information provided by Internet Service Providers in preparation of the application.
   e. Assisting the applicant in establishing their application account and walking them through the application and submittal process.
   f. Assist with the preparation and writing the grant proposal for submittal to the Idaho Department of Commerce.

   FOR SERVICES PERFORMED, A SUM NOT TO EXCEED $ 1500.

2. Project Implementation Activities: Assist Boise County in fulfilling the conditions of the grant program. Coordinate efforts of Boise County, Internet Service Providers, Idaho Department of Commerce, and other stakeholders. Assist in preparing and submitting required reports to Idaho Department of Commerce and other stakeholders.

   These services will be completed for a lump sum amount not to exceed $ 1500.

3. Financial Management: Assist Boise County with establishing project financial management processes and procedures. Prepare payment requests for funding agency approval and facilitate the correction of errors or problems that are identified. Maintain a record of project expenditures and document that Boise County is properly disbursing funds in accordance with program requirements. Provide progress updates to stakeholders as requested. Note: These services do not replace Boise County and ISP providers' responsibility to work with their financial teams to ensure accuracy in disbursements, etc.

   These services will be completed for a lump sum amount not to exceed $1500.

4. Project Close-out: Documentation that Boise County has met the objective of the grant program and contractual performance requirements. Completing closeout documents for review and signature. Ensure all projects and close out documents are submitted to the Idaho Department of Commerce. Ensure requested documents, concerns, and findings are addressed and resolved. Securing the Department's approval to close out.

   These services will be completed for a lump sum amount of $ 500.

Garden Valley School District

1053 Banks Lowman Road, PO Box 710, Garden Valley, ID 83622
Ph: (208) 462-3756 / Fax: (208) 462-3570 / www.gvsd.net
Superintendent: Randy Thompson
Principal: Jackie Johnson

July 13, 2021

It is with great pleasure that I write this letter in support for increased bandwidth and connectivity in the remote town of Lowman.

Garden Valley School District includes a one-room schoolhouse at 3489 Banks Lowman Rd, Lowman Idaho. Lowman Elementary serves students kindergarten through fifth grade. Enrollment is on the rise in our district, we anticipate up to 14 students at the Lowman School this fall. One teacher and one paraprofessional will teach the students. Cambridge Telephone Company provides the internet service to the school with very little interruption.

Internet access is crucial to our teachers and students. Students work using IPads and Chrome Books throughout the day. Online curriculum and activities allow the teacher to supplement material as well as use intervention methods to teach individual students where they are learning. This helps fill in material that they may have missed, getting students to grade level learning. This also allows our students that are above grade level to continue to excel by providing them with new material. Internet also allows services provided at the school in Garden Valley to reach our students in Lowman. Multiple students at the Lowman School qualify for speech therapy. Speech services are provided to these students online the majority of the time.

Providing the Lowman community with the increased connectivity will benefit our students and parents. They will be able to communicate online more effectively. It will also remove learning barriers that they may have faced living in the remote town. Lastly, students, parents, and community members will be able to work and learn from home as needed, attend online meetings, and/or attend online classes.

I appreciate your dedication to the rural communities in Idaho. The Lowman students, parents, and community will greatly benefit by the Broadband Grant.

Randy Thompson

7-13-21
Date

Randy Thompson, Superintendent
Garden Valley School District #71
PO Box 710
Garden Valley, ID 83622
rthompson@gvsd.net
208-462-3756 x1020

BOISE COUNTY
BOARD OF COUNTY COMMISSIONERS
P. O. Box 1300
Idaho City, Idaho 83631
(208) 392-4431
FAX (208) 392-4473

Robert T. Holmes District II Commissioner
Steven M. Twilegar District I Commissioner
Ryan T. Stirm District III Chairman
Mary Prisco Clerk to the Board

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO, COUNTY OF BOISE

The undersigned, Steven Twilegar, representing the Unincorporated City of Lowman, P.O. Box 1300 Idaho City, Idaho 83631, hereby swear (affirm) that:

1. I am a Commissioner for Boise County and Authorized to make such statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria including

i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

The costs covered are necessary expenditures to be incurred 1) due to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19); 2) were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for Boise County; and 3) will be incurred during the period that begins on August 02, 2021, and ends on December 30, 2021

S. M. T.

Steven Twilegar, Boise County Commissioner Acting Chairman

Date

SUBSCRIBED AND SWORN before me on this 16th, day of July 2021

KRISTI COFFELT NOTARY PUBLIC Comm. 65692 STATE OF IDAHO

Kristi Coffelt

Notary Public for Idaho
Residing at Boise County
Commission expires 6/4/27

Idaho CARES Act Broadband Grant – Project Schedule

Activity	Responsible Party	Start Date	End Date
Radio Upgrade	Cambridge Tel.	08/09/2021	09/30/2021
Dist Fiber - Shore Dr	Cambridge Tel.	08/09/2021	08/13/2021
Dist Fiber - Rock Cre	Cambridge Tel.	08/16/2021	08/20/2021
Dist Fiber - Osprey D	Cambridge Tel.	08/23/2021	08/27/2021
Dist Fiber - River Fro	Cambridge Tel.	08/30/2021	09/03/2021
Dist Fiber - Sand Hill	Cambridge Tel.	09/07/2021	09/10/2021
Dist Fiber - Hall Dr	Cambridge Tel.	09/13/2021	09/17/2021
Dist Fiber - Hwy 21	Cambridge Tel.	09/20/2021	09/24/2021
Dist Fiber - Plateau R	Cambridge Tel.	09/27/2021	10/01/2021
Dist Fiber - Jolene Dr	Cambridge Tel.	10/04/2021	10/08/2021
Dist Fiber - Lewis Dr	Cambridge Tel.	10/11/2021	10/15/2021
Install GPON Cabinet	Cambridge Tel.	09/20/2021	10/01/2021
Install Fiber Drops	Cambridge Tel.	08/23/2021	11/30/2021

Lowman-Boise County Scope of Work

The project will allow 165 underserved locations, which include anchor institutions and homes, to have broadband speeds greater than 100/10 Mbps. Fiber to the Home (FTTH) broadband services will be installed to these locations. The broadband services that are currently available in this area are a maximum of 10/2 Mbps as services are currently delivered via ADSL. New fiber would be installed to each location allowing the school, businesses, emergency services, and homes in this area to take advantage of access to truly high-speed broadband.

Due to the remote location, services are currently delivered via a microwave backhaul (or transport). Additional transport will be added to increase the backhaul into the Lowman area in order to support increased bandwidth consumption.

The Scope of Work includes:

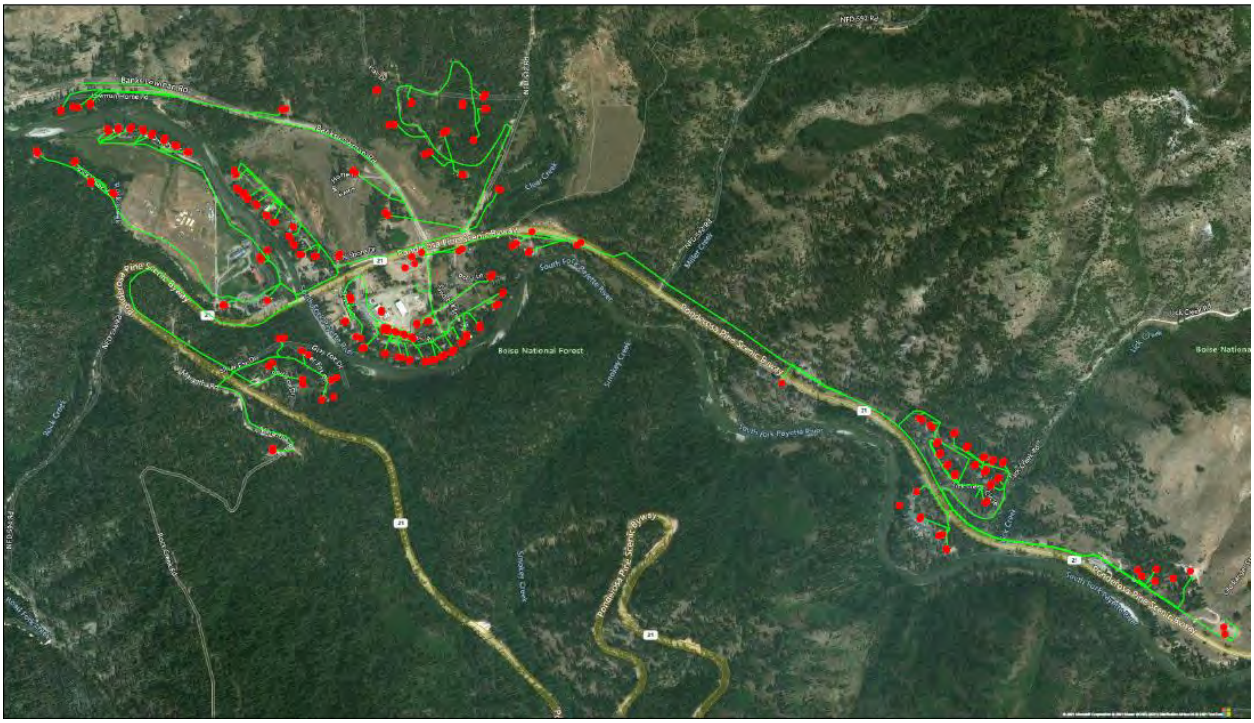
1. Install new radios on Jackson Peak and at 9 Telephone Dr, Lowman, ID.
2. Install new GPON cabinets and shelves to support fiber distribution
3. Installing fiber in conduit along sections of Hwy 21, Banks Lowman Rd, River Front Rd, Rock Creek Dr, N Shore Drive, Hall Dr, Plateau Rd, Lewis Dr
4. Installing fiber drops to the locations

The schedule for work is as follows:

Activity	Responsible Party	Start Date	End Date
Radio Upgrade	Cambridge Tel.	08/09/2021	09/30/2021
Dist Fiber - Shore Dr	Cambridge Tel.	08/09/2021	08/13/2021
Dist Fiber - Rock Cre	Cambridge Tel.	08/16/2021	08/20/2021
Dist Fiber - Osprey D	Cambridge Tel.	08/23/2021	08/27/2021
Dist Fiber - River Fro	Cambridge Tel.	08/30/2021	09/03/2021
Dist Fiber - Sand Hill	Cambridge Tel.	09/07/2021	09/10/2021
Dist Fiber - Hall Dr	Cambridge Tel.	09/13/2021	09/17/2021
Dist Fiber - Hwy 21	Cambridge Tel.	09/20/2021	09/24/2021
Dist Fiber - Plateau R	Cambridge Tel.	09/27/2021	10/01/2021
Dist Fiber - Jolene Dr	Cambridge Tel.	10/04/2021	10/08/2021
Dist Fiber - Lewis Dr	Cambridge Tel.	10/11/2021	10/15/2021
Install GPON Cabinet	Cambridge Tel.	09/20/2021	10/01/2021
Install Fiber Drops	Cambridge Tel.	08/23/2021	11/30/2021

Maps for the Scope of Work are as follows:

Ponderosa Pine Scenic Byway
South Fork Payette River
Boise National Forest
Boise National Forest


Ponderosa Pine Scenic Byway
Boise National Forest
South Fork Payette River
Boise National

ISPs that can provide the proposed service include Cambridge Telephone Co., Inc.

Locations that will benefit from the broadband services are Lowman Elementary, Lowman Volunteer Fire, Boise National Forest – Lowman Ranger Station, and community members who will have more stable and higher bandwidth connections to allow for telehealth or education opportunities.

Current upload speeds in this community do not allow for students to actively participate in online format of education, or patients/physicians to participate in telehealth video conferences. This project would increase upload speeds well over current standards for video conferencing requirements. Additionally, increased bandwidth would be available to current locations for emergency services.

Cambridge Telephone Company, Inc. will be providing the broadband service and own the broadband infrastructure. Maximum broadband speed would be 1000/1000 Mbps which could be brought to 160 households under the scope of this grant.

The Lowman area is an increasingly popular area for tourism and outdoor enthusiasts. This increase in traffic has also increased the need for available emergency services. This area has little cell coverage and there is an increased need to broadband and/or public Wi-Fi areas for connectivity. This project will allow for increased connectivity in the community and increase safety and decrease emergency response times.

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
New Radio Backhaul	$ 183,000				$ 183,000
Lowman	$ 344,774				$ 344,774
Fire Station	$ 148,036				$ 148,036
Grant Administration	$ 5,000				$ 5,000
Totals	$ 680,810	$ 0	$ 0	$ 0	$ 680,810

BOISE COUNTY

RESOLUTION #2021-31

A RESOLUTION OF COUNTY COMMISSION OF BOISE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO SIGN AND SUBMIT AN APPLICATION TO THE IDAHO BROADBAND FUND FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE IMPROVEMENTS TO ENHANCE BROADBAND SYSTEMS IN OUR COMMUNITY.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens;

WHEREAS, the Governor for the State of Idaho declared a state of emergency on March 13, 2020 with Executive Order 2020-7 to respond to the coronavirus pandemic;

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, the County is an eligible applicant of the Idaho CARES Act Broadband Grant program and intends to apply for funding through this grant program;

WHEREAS, the County will comply with Idaho statute 67-2808 procurement since the competitive procurement solicitation and selection process is impractical, disadvantageous, or unreasonable under the circumstances of responding to this epidemic recovery effort; and, will engage a contractor using the sole source contracting provisions of Idaho Code 67-2808.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION FOR THE COUNTY OF BOISE COUNTY, IDAHO, that the Chairman is authorized to sign and submit appropriate application materials to the Idaho Broadband Fund to seek funding through the Idaho CARES Act Broadband Grant program to enhance broadband access in our community.

Adopted this 16th, day of July, 2021.

S. M. T.

STEVEN M. TWILEGAR, Acting Chairman

Attest: Mary Prisco

MARY T. PRISCO, Clerk

BOISE COUNTY

Idaho CARES Act Broadband Grant Administration Services Resolution

RESOLUTION #2021-32

A RESOLUTION OF COUNTY COMMISSIONERS OF BOISE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH REGION IV DEVELOPMENT ASSOCIATION, INC TO PROVIDE GRANT WRITING AND PROJECT ADMINISTRATION SERVICES IN CONNECTION WITH THE COUNTY'S APPLICATION TO THE IDAHO BROADBAND FUNDS FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE BROADBAND INFRASTRUCTURE SYSTEM IMPROVEMENTS TO ENHANCE BROADBAND ACCESS IN OUR COMMUNITY.

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens; and

WHEREAS, the County is applying to the Idaho Broadband Fund for an Idaho Cares Act Broadband Grant program to enhance broadband access in our community; and

WHEREAS, the grant requires the services of a project administrator to oversee project implementation activities to ensure it aligns with program requirements; and

WHEREAS, the County has engaged the services of Region IV Development Association, Inc. to provide grant writing and project administration services.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COMMISSIONERS FOR THE COUNTY OF BOISE COUNTY, IDAHO, that the Chairman is authorized to sign a service agreement with Region IV Development Association, Inc. to provide grant writing and grant administrative services in connection with our project as outlined in the Idaho Cares Act Broadband Grant application.

Adopted this 16th, day of July, 2021.

STEVEN M. TWILEGAR, Chairman

Attest: Mary Prisco

MARY T. PRISCO, Clerk

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Kyla Gardner
Applicant ID	APP-004799
Company Name	New Meadows
Recipient Address	New Meadows 401 Virginia St New Meadows, ID 83654
Phone	(208) 347-2171
Email	kyla.cityclerk@newmeadowsidaho.us
Amount Requested	$580,000.00
Status	Submitted
Funded	☐

Application Title: City of New Meadows Fixed Wireless Broadband Project

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Kyla Gardner
City Clerk
401 Virginia Street
PO Box 324
New Meadows, ID 83654

kyla.cityclerk@newmeadowsidaho.us
208-347-2171

Question: List the cities/communities in the census blocks where the project(s) will take place.

New Meadows, rural areas surrounding New Meadows.

Census Tracts:
16003950100 (Population = 2,004, Households without internet access = 15.10%, Median Speedtest = 7.00/1.02)

Census Blocks:
160039501001191
160039501001192
160039501001193
160039501001194
160039501001195
160039501001196
160039501001211
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160039501001947

(Above data obtained from

https://broadbandusa.maps.arcgis.com/apps/webappviewer/index.html?id=ba2dcd585f5e43cba41b7

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Kyla Gardner
City Clerk/ City of New Meadows
kyla.cityclerk@newmeadowsidaho.us
208-347-2171

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

Historically residents of New Meadows have experienced some of the worst internet in the State of Idaho.

Not only is it at the end of the line when it comes to internet infrastructure, but sizable and rapid fluctuations in population on an almost weekly basis has wreaked havoc with what little bandwidth that does come into the New Meadows community.

This unique characteristic of New Meadows is not always fully recognized or appreciated. On an almost weekly basis the population of the greater New Meadows / McCall area can fluctuate by the thousands. This puts an enormous strain on what little bandwidth comes into the area.

What one might consider to be tolerable internet during the week can slow down to worse than a crawl on weekends. Many times one can’t even access the internet during these peak times (Please Note that all speed test attached were taken during non-peak hours).

Worse yet, this strain put on the system due to an influx of vacationers can spill over and affect the phone system. On weekends when the internet slows to a snail’s pace, quite often one experiences difficulties placing and receiving phone calls.

This reality has huge implications on public safety.

It is critical that additional broadband infrastructure is built out to service not only the local

residents of New Meadows, but it is also capable of serving the wild fluctuations of visitors who come into the area on a weekly basis, as their needs directly impact the quality of service that local residents experience. This additional bandwidth will have the added benefit of helping to alleviate the strain that is currently being placed upon the phone system.

All bandwidth coming into the New Meadows area currently comes from the Boise area. It is critical for the New Meadows area to have redundancy, and consequently, this project will have a portion of its bandwidth originate from the North - or the Grangeville area.

This project will provide coverage to 625 homes for an average cost of $928 per location covered. This cost-per-location can be accounted for due to higher construction costs in 2021, as well as the requirement to build out infrastructure to bring in bandwidth from the Grangeville area. Having said that, we are confident that this project will be one of the most cost effective projects submitted in the State in 2021.

Please note that this project offers the following advantages:
Cost-per-location: $928
Extendibility: infrastructure put into place in 2021 will be utilized to continue expanding out even further in future years
Upgradability: sites built out in 2021 can be upgraded in the future to offer ever faster speeds as new technology emerges

ISP's that can provide coverage include - in alphabetical order - AirBridge Broadband, Wilderness Wireless, and Ziply.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

Since this project will target New Meadows and surrounding homes, a forgotten and overlooked area of Adams County, where real investment is modern broadband infrastructure has proven to be elusive, residents will finally be able to have access to video conferencing capabilities - which is necessary for telehealth, education, public safety, and economic development.

The broadband provider for this project will promote equal access to promote economic development, public safety, telehealth, education for the following reasons:
(1) cost per account is the same whether a business or a home (businesses are not charged more just because they are a business)
(2) free internet will be provided for all first responder facilities, fire departments, etc.
(3) provider does not differentiate or discriminate, but installs all locations as quickly as possible and in the order in which they are requested

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

This project brings real broadband internet (up to 100 Mbps / 20 Mbps with no data caps) to homes and businesses that currently do not have adequate bandwidth to support video conferencing, something necessary for telehealth, education, public safety, and economic development.

This project will continue to enable telehealth, education, public safety, and economic

development into the future as new technology emerges and the sites are correspondingly upgraded.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

In the past, most of these rural communities were overlooked due to the time and expense of putting in the necessary infrastructure to serve them. It simply is not cost effective to build a $500,000 site (traditional cell phone tower) to service only 100 homes. Fiber to the home would be ideal and most desirable, but is not feasible given New Meadows rural nature, costs and easements/ROW, especially given the timeframe of the project deliverable. This lack of investment in broadband infrastructure has had a negative impact on the City of New Meadows and surrounding communities economically, but these shortcomings have become even more apparent in light of COVID-19 as residents do not have access to broadband capabilities that enable social distancing, telework, and distance learning. This project meets the broadest level of need for a feasible price in the timeframe required.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

There is no project match for this project (other than approximately $110,000 in overhead and labor costs that will be borne by the private entity that are not included in the $580,000 total project cost).

Question: Estimated total project cost?

580000.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

625

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

$928

Question: What is the maximum broadband speed that will be provided by the project?

100/20

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes

Necessary permits, permissions, and zoning requirements for Adams County will be obtained in for the approximate 10 sites needed in order to complete the project by the December 15, 2021 deadline.

In addition, Antenna Site Registration (ASR) will be obtained per FCC guidelines / TCNS.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Private entity (One of the following: AirBridge Broadband, Wilderness Wireless, Ziply)

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

Kyla Gardner New Meadows City Clerk, will support the city with administration. This includes preparing and advising the city with Request for Proposals for the broadband service provider and compliance with the Commerce contract. At the end of the completed project Kyla Gardner will visit all sites to ensure they are fully functional and she will review all receipts submitted to ensure that they are in compliance with Department of Commerce guidelines for this grant project. Kyla will support the city with the close-out procedure with Commerce.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

New Meadows has not received CAFII/RDOF/USDA Reconnect funds
RDOF auction award was made to Frontier Communications Northwest for the New Meadows area in the last auction.
Residents of New Meadows and the surrounding areas are currently in a state of emergency with respect to the internet and phones.
It will be years if not decades for the New Meadows area to experience tangible effects on the internet and phones from these RDOF funds allocations.
New Meadows can realize tangible benefits to both the internet and phones in the matter of months with this grant.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

New Meadows has not received any of these funds.

Question: Include any other relevant information as to why your project should be considered for funding.

As previously stated, the greater New Meadows area presents with serious challenges.

It has historically had some of the worst internet within the State of Idaho. Due to challenging geography, large size, and rural nature, providers have hitherto been reluctant to build out infrastructure since it simply has not been economically feasible.

It is noteworthy that this project will be accomplished for only $928 per location, which we are confident will be one of more economical projects among all projects proposed.

When one considers the difficulty of providing cover to the homes and areas included in this project, we feel that the reality that this project will be able to be completed within budget and on time is especially compelling.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

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NewMeadows9.png (7/15/2021 2:53 PM)
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Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

Airbridge - New Meadows.pdf (7/15/2021 2:59 PM)
Airbridge - New Meadows.kmz (7/15/2021 2:59 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a

completed Grant Budget Template for the project that outlines each of the various costs.

NewMeadows-Grant-2021-Budget.pdf (7/15/2021 3:20 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

New Meadows Schedule.xlsx (7/15/2021 3:21 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Broadband Cares Act Letter.pdf (7/15/2021 3:46 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

Broadband Cover Letter.pdf (7/15/2021 4:06 PM)
Broadband internet support letter.docx (7/15/2021 3:47 PM)
Broadband Support Letters July 2021.pdf (7/15/2021 3:47 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

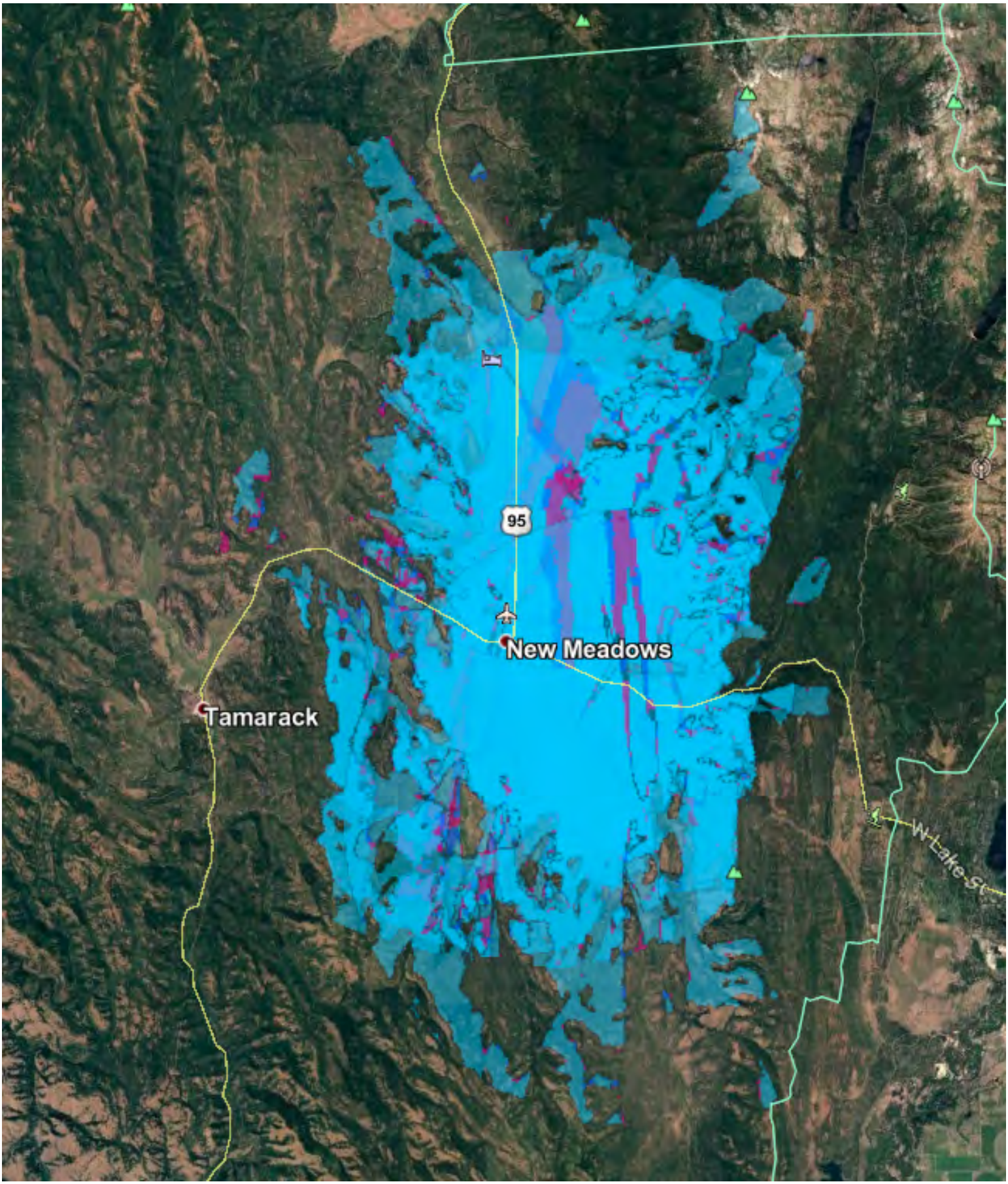
No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

New Meadows Broadband Design Build RFQP.docx (7/15/2021 4:13 PM)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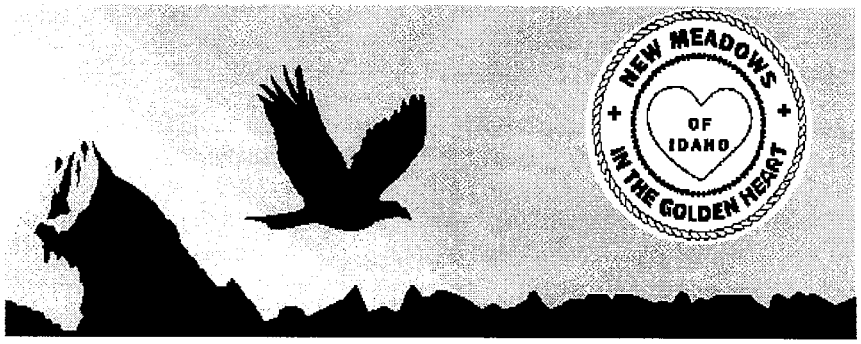


This institution is an equal opportunity provider/employer
City of New Meadows * P.O. Box 324 * New Meadows, Idaho 83654
Phone (208) 347-2171 * Fax (208) 347-2384

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO, COUNTY OF ADAMS

The undersigned, Kyla Gardner, representing City of New Meadows, P.O Box 324 New Meadows,Idaho, hereby swear that:

1 .I am the City Clerk of The City of New Meadows and thereby authorized to make these statements.
2 .I have personal knowledge of the facts herein, and can testify completely thereto
.3.The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here

i.Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions
ii.Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

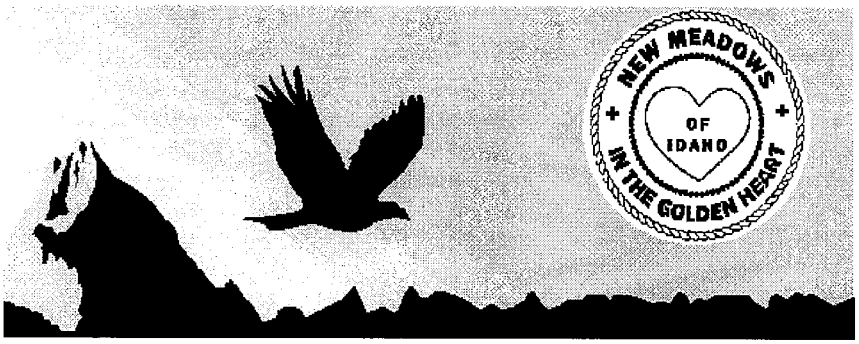
This proposed broadband project will meet these criteria by providing rural households in the City of New Meadows and surrounding area that are currently unserved and underserved by broadband telecommunication services with access to a fixed dash wireless service that meets or exceeds FCC recommended speeds for broadband. Thus, providing the distance learning and telework capabilities to enable compliance with COVID-19 precautions.

Signature Kyla Gardner Date July 15th, 2021

SUBSCRIBED AND SWORN before me on this 15th day of July

Kyla Gardner NOTARY PUBLIC Comm No. 20211948 STATE OF IDAHO

Notary Public for STATE Idaho
Residing at New Meadows, ID
Commission expires 04/30/2027



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Phone (208) 347-2171 * Fax (208) 347-2384

July 15, 2021

Torn Kealey
Director, Idaho Dept of Commerce 700 W State Street
P0 Box 83720
Boise, Idaho 83720-0093

Dear Director Kealey,

The Mayor of the City of New Meadows is pleased to apply for $580,000 to the state of Idaho Broadband Grant program. Our proposal will provide 625 city and surrounding households, currently unserved or underserved, access to affordable fixed wireless broadband service that will meet or exceed the FCC recommended speed of 25/3 Mbps, with speeds up to 100/20 Mbps.

This project is essential to fill the gaps in service across the greater New Meadows area, and importantly meet the needs of teleworkers, students, parents and educators that are dealing with the impacts of COVID-19, and the ongoing demand to have reliable and accessible broadband telecommunication service.

Fixed wireless is an ideal technology for our city and surrounding areas. It provides excellent coverage across difficult terrain, and is an affordable alternative to fiber. This proposal will install broadband equipment on 10 sites across the city and surrounding areas.

New Meadows is a small, rural city with only 533 residents. As such, it has few provider options and no financial resources to pay for the broadband service required to survive in this economy and to meet the challenges created by the pandemic virus. We encourage your support for our grant application.

Respectfully,

Mayor of New Meadows
Julie Good

Meadows Valley Public Library
P.O. Box 436 400 Virginia
New Meadows, ID 83654
(208) 347-3147 phone
audrey@mvpubliclibrary.com
meadowsvalley.lili.org

July 15, 2021

Director of the Idaho Department of Commerce,

I am writing to request your support of Meadows Valley Community grant application to provide broadband Internet service in our area.

As the Public Library Director for the last 20 years, I recognize how many members of our community still have extremely limited or even no access to the Internet. The lack of Internet access, with sufficient bandwidth, is due to the limited availability and unreliable service in our mountainous rural setting, as well as high costs for the providers that offer service in our community. Many community members only have access by coming to the library and our service here in town is not always working or available.

Reliable broadband Internet has immense potential to improve the quality of living in our rural community by opening doorways to a world of educational and employment resources and opportunities. It would also make our community a viable option for remote workers and local youth who often leave the community for higher education and then cannot return due to lack of career options.

Thank you for considering this grant application for the Meadows Valley Community.

Sincerely,

Audrey Crogh
Library Director

The Intersection BBQ
PO Box 27
New Meadows, ID 83654

RE: Broadband grant for the City of New Meadows

July 15, 2021

To: The Director of Idaho Department of Commerce

As a small business owner who relies heavily on the internet for credit card processing, advertising, social media and correspondence with potential and current customers, it is extremely important to have better and more reliable access in our region. Our choices are limited. I applaud the City of New Meadows' efforts to make this a priority.

I encourage you to support the City Of New Meadows' grant application for broadband funding.

Sincerely,

Shannon Fairchild
Owner

The Connection LLC
PO Box 328
New Meadows, ID 83654

RE: Support for Broadband funding grant

July 14, 2021

To: The Director of Idaho Department of Commerce

I am a small business located in the downtown corridor of New Meadows. Due to the instability of internet access in our region, I am required to pay for 2 separate internet providers. Since the bulk of my business takes place online, I pay extra to do business in this community due to the lack of internet services and the unreliability of the infrastructure currently in place. The current choices are few. We need funding to create better infrastructure and accessibility.

I encourage you to support the City Of New Meadows' grant application for broadband funds.

Sincerely,

Julie Good
Owner

REQUEST FOR STATEMENTS OF QUALIFICATIONS AND PROPOSALS

PROJECT DESCRIPTION

City of New Meadows, Idaho is soliciting proposals from qualified firms for assistance in the following:

DESIGN, BUILD AND OWN BROADBAND SYSTEM

SCOPE OF WORK

The City of New Meadows is seeking proposals from private for-profit internet service providers to provide all services, equipment, and construction to deploy, own and operate a fixed wireless broadband system to serve approximately 625 households in the City of New Meadows and surrounding valley. The City is applying to the State of Idaho Broadband Fund Grant program.

Project requirements will include:

- System must deliver broadband speeds of 100 Mbps download and 20 Mbps upload.
- Project will serve underbuilt areas and does not overbuild existing broadband service. Underbuilt areas are defined as locations (census blocks) where less than fifty percent (50%) of households have access to broadband speeds of the FCC minimum of 25/3.
- Project completed by December 15th, 2021.

The project would be funded through the state of Idaho Broadband Fund Grant Program (funded by an allocation of the federal CARES Act). As such the goals of the broadband project is to address key areas of public health and safety by improving opportunities to telework, facilitate distance learning, and improve public safety. Award announcement is anticipated around August 2, 2021.

The successful firm will be required to comply with all Idaho state building statutes, such as Idaho Public Works contractor licensing (Idaho Code Title 54, Chapter 19), purchasing by political subdivisions (Idaho Code Title 67, Chapter 28) and any county ordinances related to planning and building.

The firm must be sufficiently bonded and insured. The selected firm will be required to provide performance and payment bonds, each for 100% of the contract amount, issued by a surety company authorized to conduct business within the State of Idaho. The selected firm will also be required to supply evidence of insurance coverage (worker's compensation, contractor's public liability and property damage, and contractor's vehicle liability) and to ensure that subcontractors do not commence work until the subcontractors' insurance requirements have been met.

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The City of New Meadows is exempt from sales taxes; however, per Idaho statutes, the contractor is responsible for sales tax on materials used within the project.

PROPOSAL CONTENT AND EVALUTION

The proposal must be organized in sections containing the following information, and evaluated according to these criteria:

Capability to Perform Project The firm's history, areas of expertise, address of office that will manage project, length of time in business, firm's legal structure, firm's commitment to provide necessary resources to perform and complete project. (20 pts)

Relevant Project Experience Description of other projects executed by the firm that demonstrate relevant experience. List of all public sector clients for whom you have provided services or performed similar work in the past five years, which should include name, address, and phone number of a person who can be contacted regarding the firm's performance on the project. (15 pts)

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Qualifications of Project Team Resumes for the key people assigned to the project including sub-consultants. Key personnel roles and responsibilities on this project. Identify project manager who will be responsible for the day-to-day management of project tasks and will be primary point of contact. (20 pts)

Benefits of the Project to the Community Served: A description of how you will ensure that the customers, specifically households and public entities, benefitting from this project will be served over the lifespan of telecommunications investment. The responder shall provide a concrete, measurable response including a pricing model over a five-year period for all customers served by this project, given the project is 100% grant funded. (25 pts)

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Project Approach and Schedule The tasks that must be accomplished to complete the project. How the firm proposes to execute the tasks. Unique aspects of the project and alternative approaches the owner might wish to consider. (20 pts)

PROPOSAL DEADLINE

Proposals must be received no later than 5:00 pm (MDT), July 29, 2021 by email to City Clerk, Kyla Gardner, City of New Meadows, kyla.cityclerk@newmeadowsidaho.us . Email file size delivery cannot exceed 10 MB. Proposals, including attachments should not exceed fifteen (15) pages in length. Proposal should be titled "Broadband Proposal: City of New Meadows."

SELECTION CRITERIA

Proposals will be evaluated on the criteria listed above.

Selected references may be contacted. The City may conduct such other investigations as the City deems necessary to assist in the evaluation of any proposal and to establish the responsibility, qualifications, and financial ability of the design-build firm or team.

The City of New Meadows will seek to negotiate a contract, a detailed scope of work, fee schedule, etc. with the preferred firm.

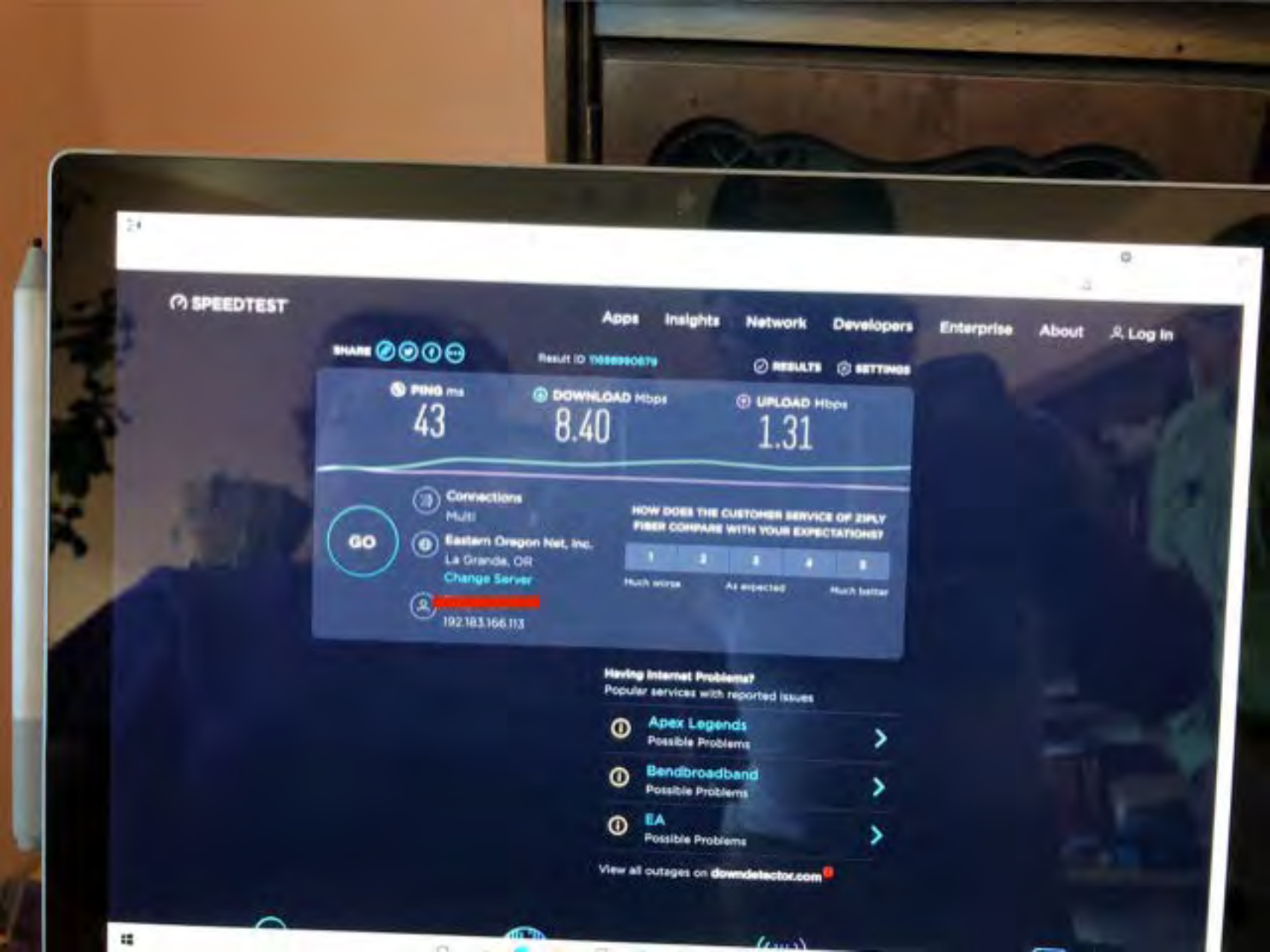
This solicitation is being offered in accordance with OMB Circular A-102 and the Idaho statutes governing procurement of professional services. The City of New Meadows reserves the right to negotiate an agreement based on fair and reasonable compensation for the scope of work and services proposed, as well as the right to reject any and all responses deemed unqualified, unsatisfactory or inappropriate.

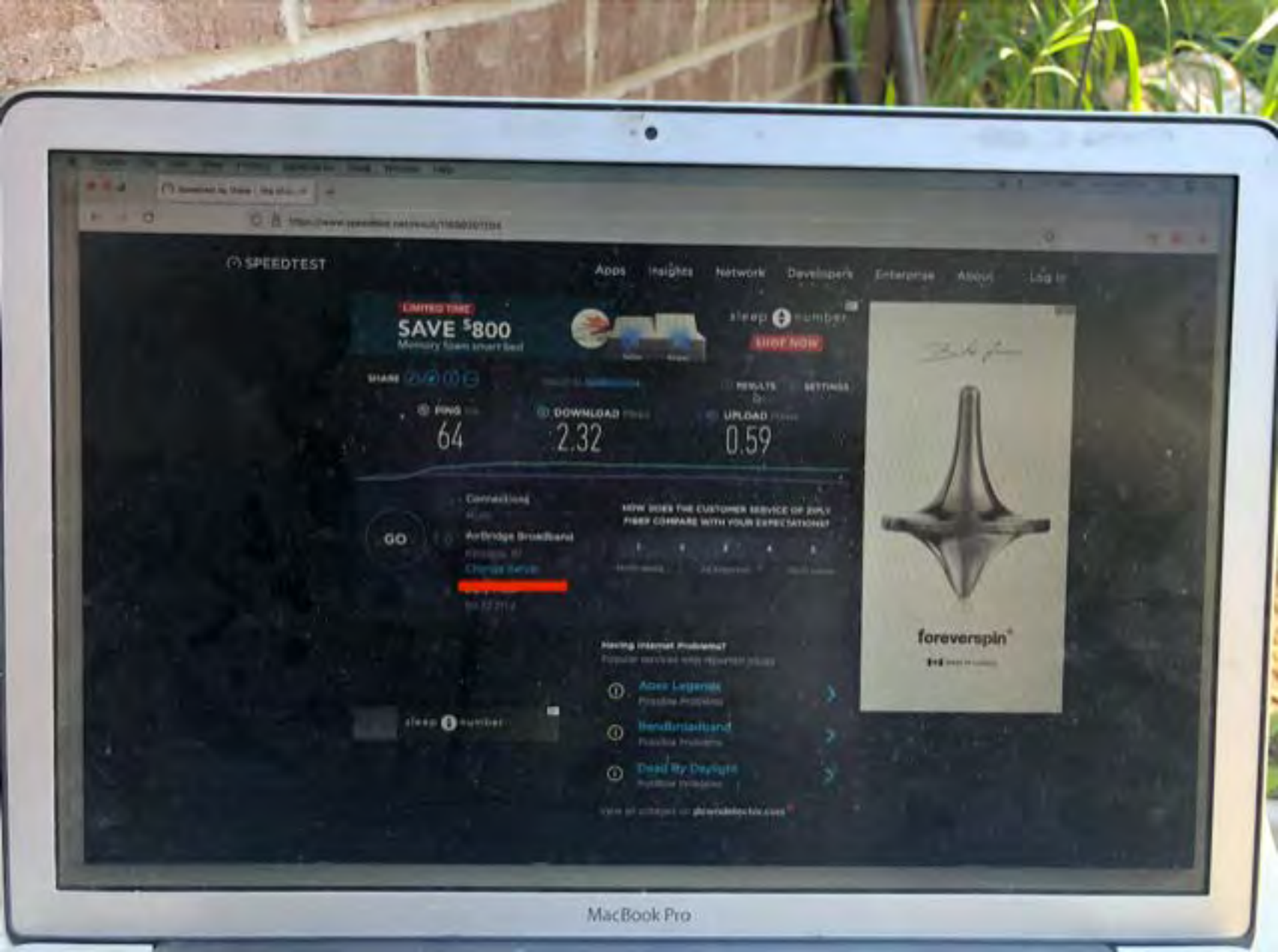
Idaho CARES Act Broadband Grant – Project Schedule

Activity	Responsible Party	Start Date	End Date
Select City Clerk to admin	City	6/28/2021	6/28/2021
Publish RFP	City	7/15/2021	7/22/2021
RFP due	City	7/15/2021	7/29/2021
Grant Due	City	7/16/2021	7/16/2021
Grant Awarded	Commerce	8/2/2021	8/2/2021
Select ISP	City	8/9/2021	8/9/2021
Execute Contracts	Com/City/ISP	8/9/2021	8/31/2021
Project Work	ISP	9/6/2021	12/15/2021
Closeout	City	12/15/2021	12/31/2021

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Construction / Materials / Enclosures	$156,600				$156,600 $ 0
Electrical / Grounding / Power / Battery Backup	$168,200				$168,200 $ 0
Backhauls / Radios / Routers / Other	$197,200				$197,200
Licensing / Permitting Fees / Professional Services	$58,000				$58,000 $ 0
Totals	$580,000 $ 0	$ 0	$ 0	$ 0	$580,000


SPEEDTEST
Apps
Insights
Network
Developers
Enterprise
About
Log In
SHARE
RESULTS
SETTINGS
PING ms
43
DOWNLOAD Mbps
8.40
UPLOAD Mbps
1.31
Connections
Multi
GO
Eastern Oregon Net, Inc.
La Grande, OR
Change Server
192.183.166.113
HOW DOES THE CUSTOMER SERVICE OF ZIPLY FIBER COMPARE WITH YOUR EXPECTATIONS?
1
2
3
4
5
Much worse
As expected
Much better
Having Internet Problems?
Popular services with reported issues
Apex Legends
Possible Problems
Bendbroadband
Possible Problems
EA
Possible Problems
View all outages on downdetector.com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Apps
Insights
Network
Developers
Enterprise
About
Log In
LIMITED TIME
SAVE $800
Memory foam smart bed
sleep number
SHOP NOW
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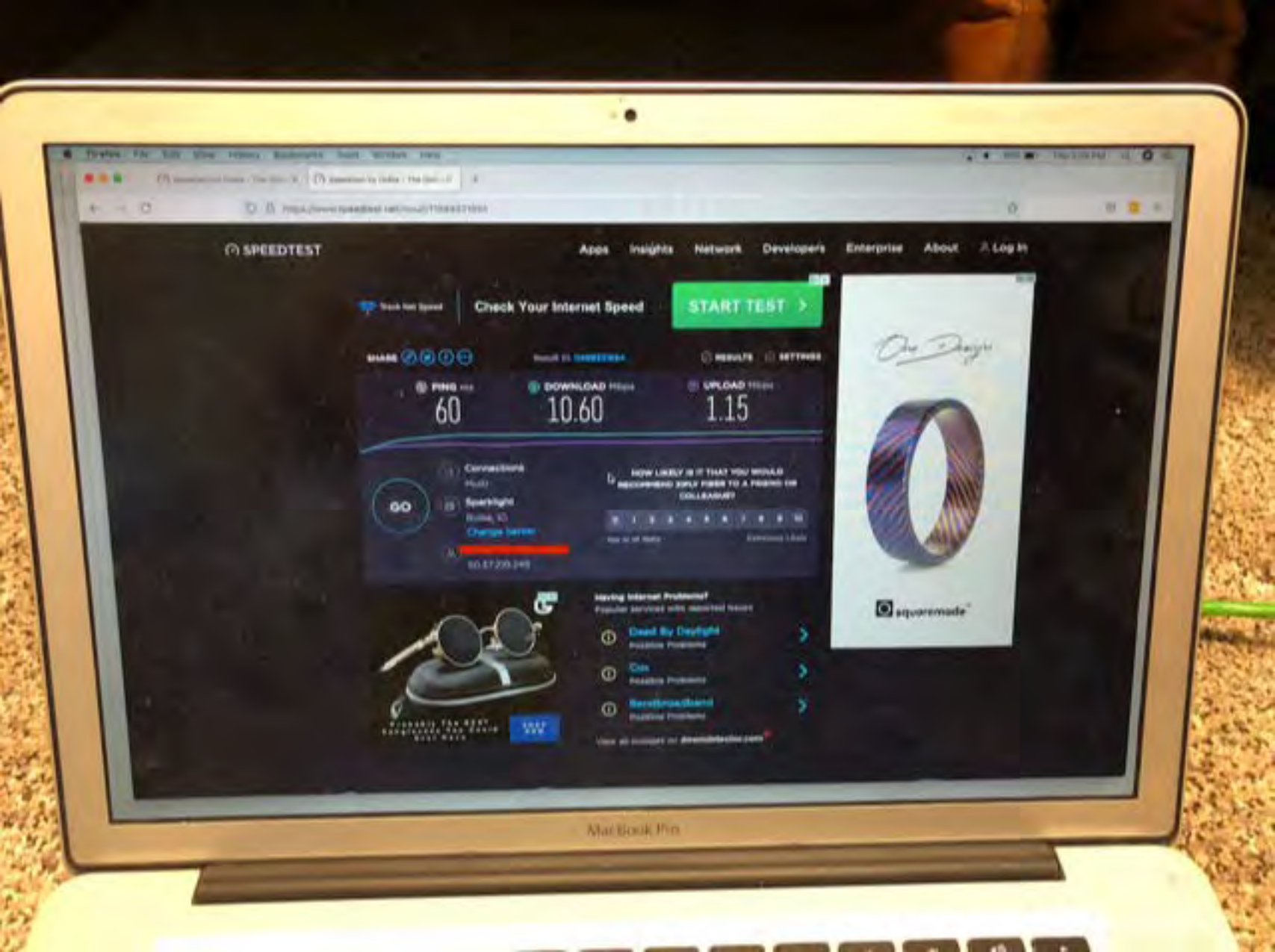
DOWNLOAD
2.32
UPLOAD
0.59
Connections
GO
AirBridge Broadband
HOW DOES THE CUSTOMER SERVICE OF ZIPLY FIBER COMPARE WITH YOUR EXPECTATIONS?
Having Internet Problems?
Apex Legends
Bendbroadband
Dead By Daylight
foreverspin
MacBook Pro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Apps
Insights
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Enterprise
About
Log In
Check Your Internet Speed
START TEST
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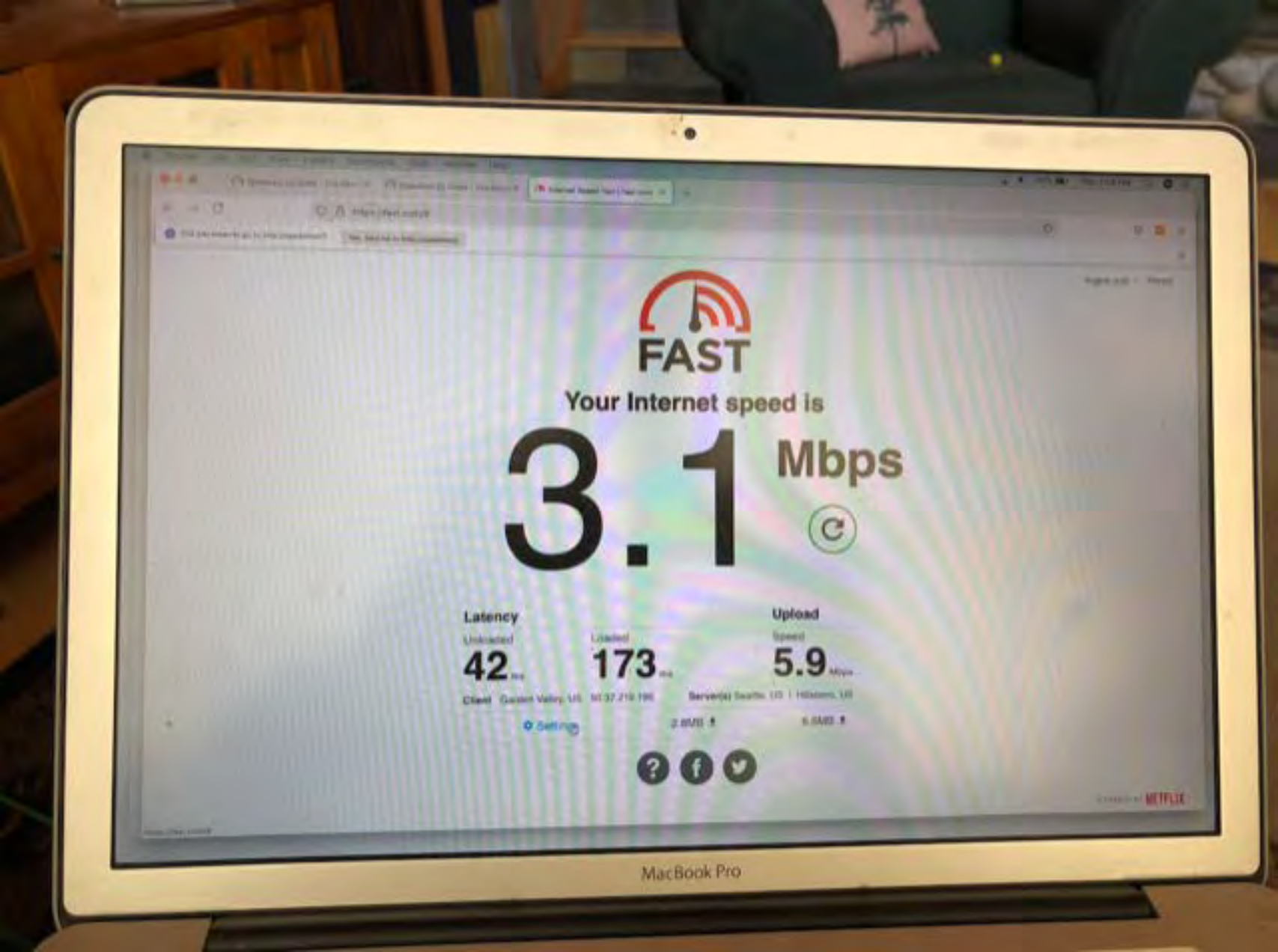
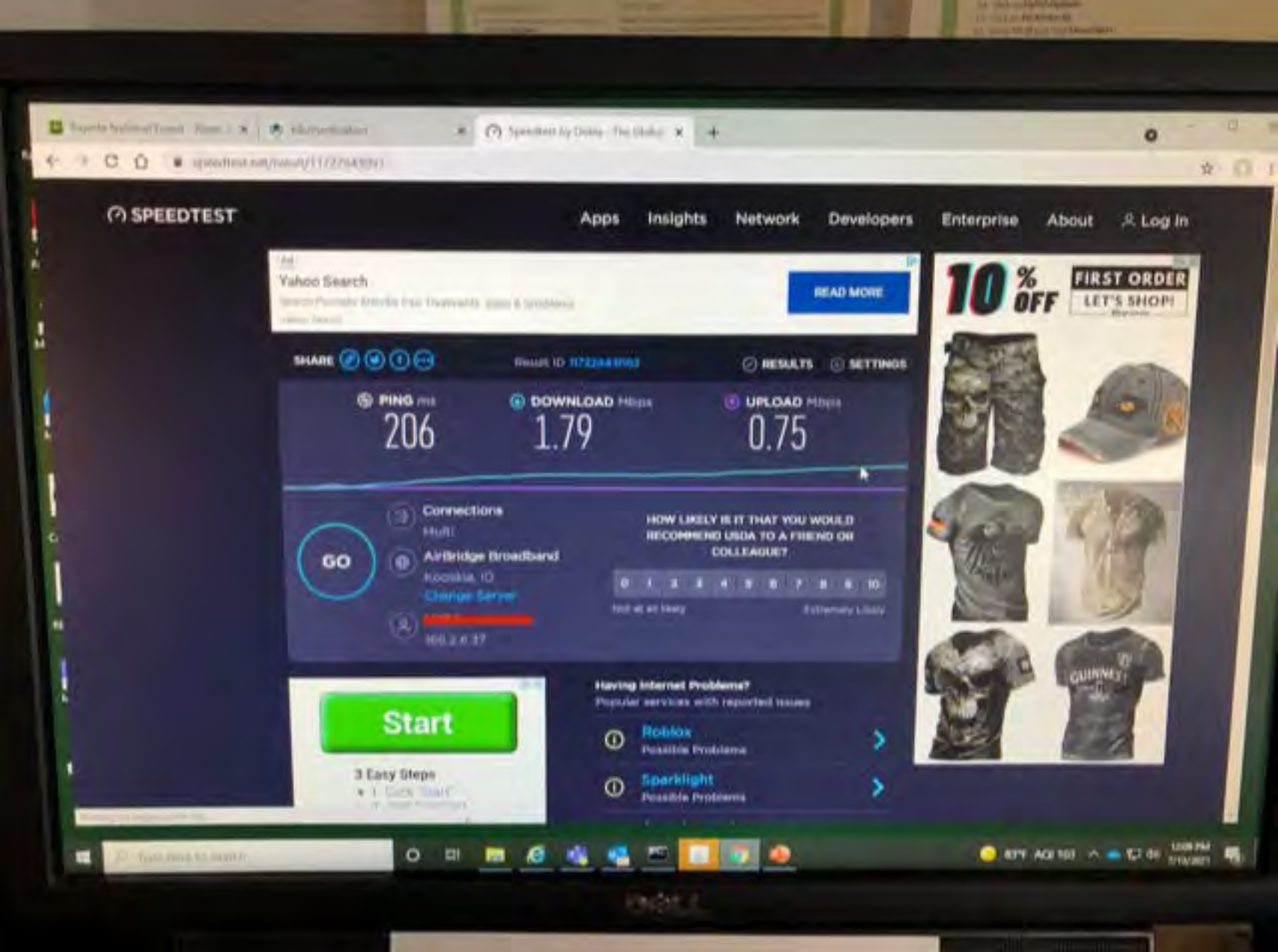
DOWNLOAD
10.60
UPLOAD
1.15
GO
squaremade
MacBook Pro


FAST
Your Internet speed is
3.1 Mbps
Latency
Unloaded
42
Loaded
173
Upload
Speed
5.9
MacBook Pro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PING ms
206
DOWNLOAD Mbps
1.79
UPLOAD Mbps
0.75
GO
Connections
Multi
Airbridge Broadband
Change Server
HOW LIKELY IS IT THAT YOU WOULD RECOMMEND USDA TO A FRIEND OR COLLEAGUE?
Start
3 Easy Steps
Having Internet Problems?
Popular services with reported issues
Roblox
Possible Problems
Sparklight
Possible Problems
10 % OFF
FIRST ORDER
LET'S SHOP!

SPEEDTEST
Apps
Insights
Network
Developers
Enterprise
About
Buy Now & Save 50%
SHARE
Result ID 11722960929
RESULTS
SETTINGS
PING ms
52
DOWNLOAD Mbps
5.71
UPLOAD Mbps
0.48
Connections
Multi
GO
Farmers Mutual
Telephone Company
Fruitland, ID
Change Server
192.183.164.165
RATE YOUR PROVIDER
Ziply Fiber
Buy Now & Save 50%
Buy Now &
Save 50%
Having Internet Problems?
Popular services with reported issues
Roblox
Possible Problems
Sparklight
Possible Problems
Apex Legends
Possible Problems
View all outages on downdetector.com

SHARE
Result ID 11723078720
RESULTS
SETTINGS
PING ms
109
DOWNLOAD Mbps
2.20
UPLOAD Mbps
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Connections
Multi
Columbia iConnect
Walla Walla, WA
Change Server
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GO
HOW DOES YOUR NETWORK AVAILABILITY COMPARE WITH YOUR EXPECTATIONS?
1
2
3
4
5
Much worse
As expected
Much better
TURN OFF ALL ADS
Faster Web Browsing with NO ADS
Remove Ads
Having Internet Problems?
Popular services with reported issues
Roblox
Possible Problems
Sparklight
Possible Problems
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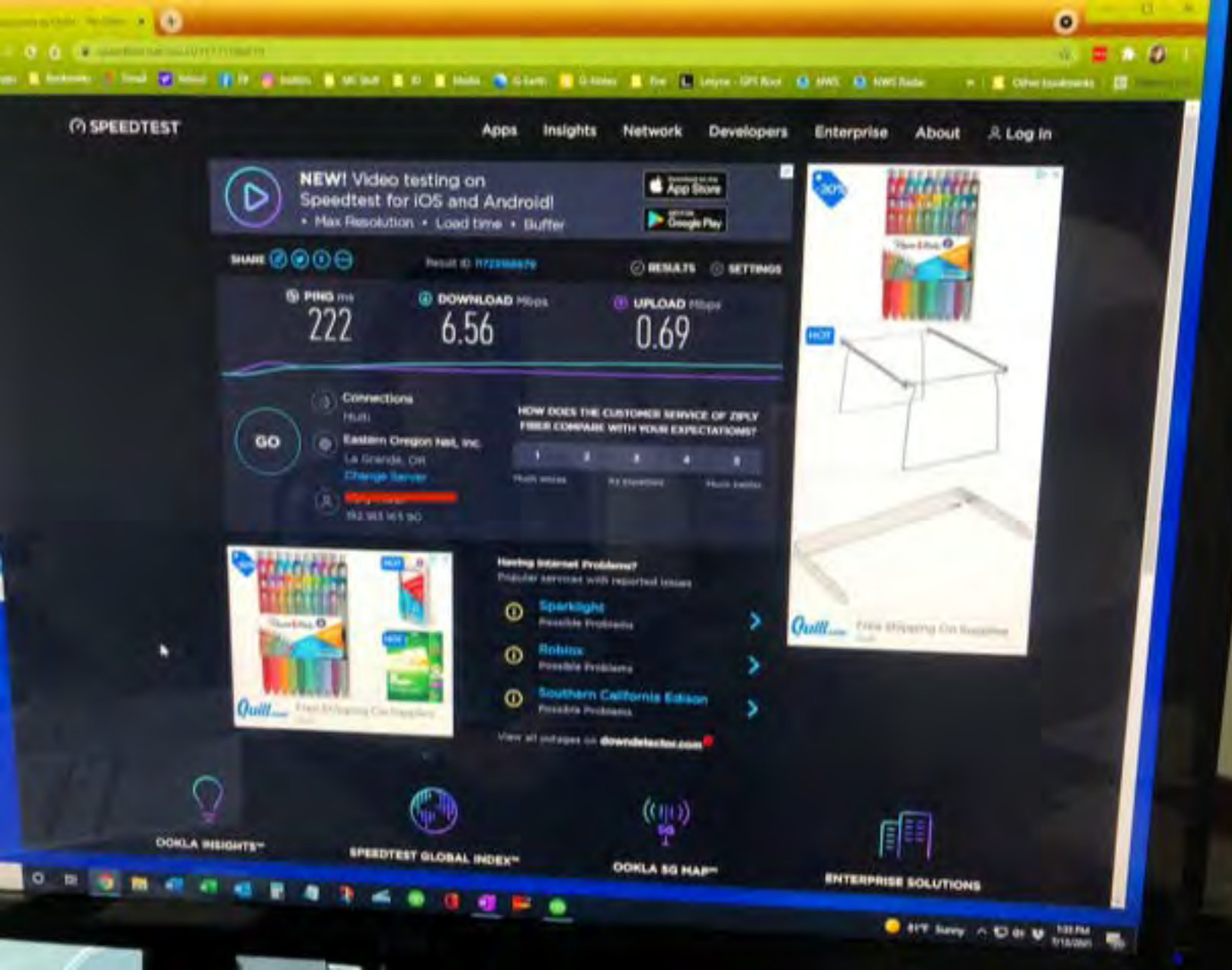
SPEEDTEST
Apps
Insights
Network
Developers
Enterprise
About
Log In
NEW! Video testing on Speedtest for iOS and Android!
• Max Resolution • Load time • Buffer
App Store
Google Play
SHARE
RESULTS
SETTINGS
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DOWNLOAD Mbps
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UPLOAD Mbps
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Multi
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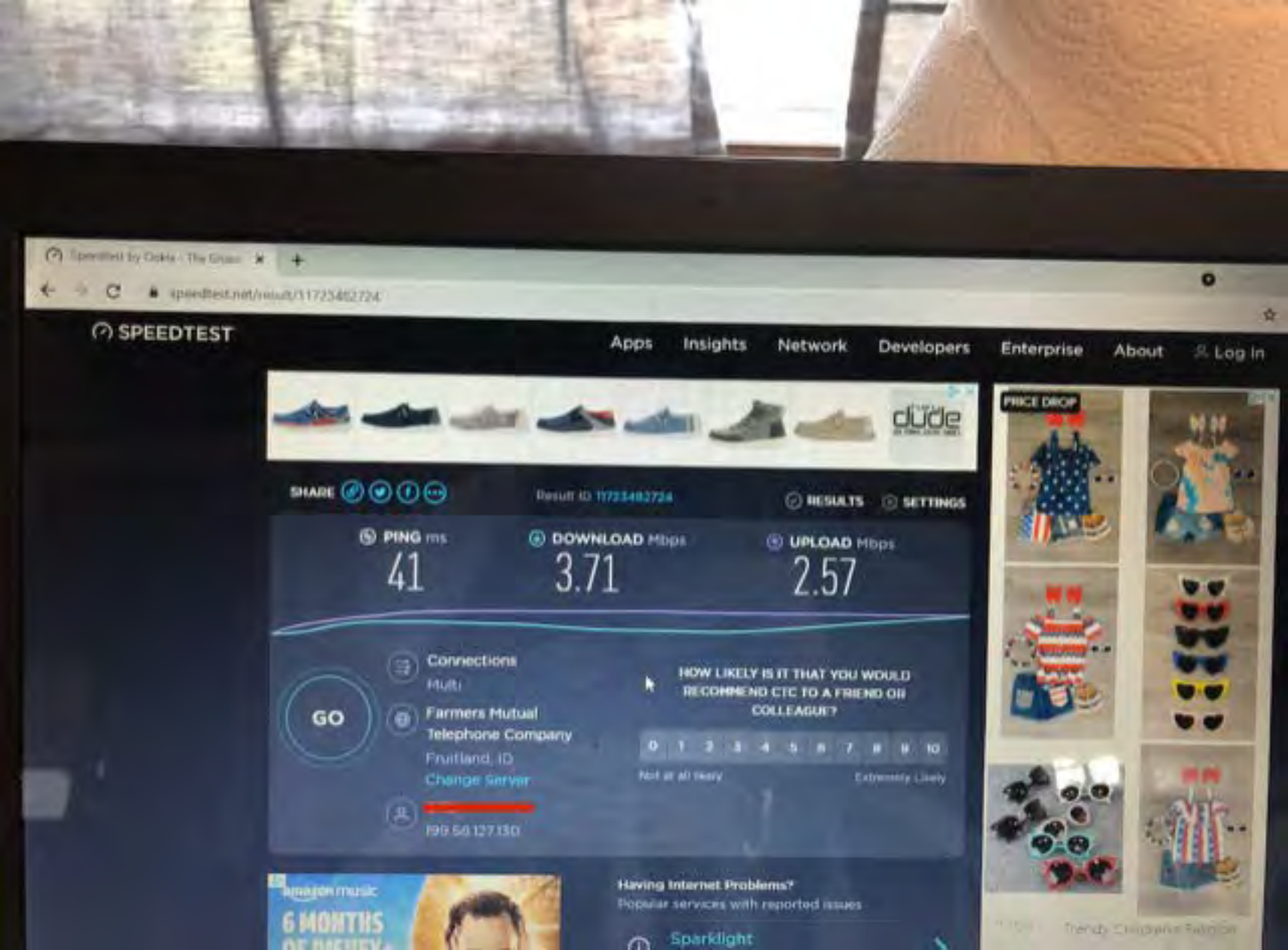
HOT
Quill.com
OOKLA INSIGHTS™
SPEEDTEST GLOBAL INDEX™
OOKLA 5G MAP™
ENTERPRISE SOLUTIONS

SPEEDTEST
Apps
Insights
Network
Developers
Enterprise
About
Log in
SHARE
RESULTS
PING ms
53
DOWNLOAD Mbps
7.14
UPLOAD Mbps
0.47
GO
Connections
Multi
CenturyLink
Boise, ID
Change Server
HOW DOES YOUR DOWNLOAD SPEED COMPARE WITH YOUR EXPECTATIONS?
Having Internet Problems?
Popular services with reported issues
Sparklight
Possible Problems
Roblox
Possible Problems
AOL
Possible Problems
View all outages on downdetector.com


SPEEDTEST
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DOWNLOAD Mbps
3.71
UPLOAD Mbps
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Telephone Company
Fruitland, ID
Change Server
HOW LIKELY IS IT THAT YOU WOULD RECOMMEND CTC TO A FRIEND OR COLLEAGUE?
Not at all likely
Extremely Likely
Having Internet Problems?
Popular services with reported issues
Sparklight
PRICE DROP

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Trevor Chadwick
Applicant ID	APP-004800
Company Name	Star
Recipient Address	Star 10769 W State St Star, ID 83669
Phone	(208) 286-7247
Email	tchadwick@staridaho.org
Amount Requested	$180,014.00
Status	Submitted
Funded	☐

Application Title: Connecting City of Star to Rural Fire and City Parks

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Jacob "Mac" Qualls, city clerk
P O Box 130, Star, Idaho 83669
jqualls@staridaho.org
208.286.7247

Question: List the cities/communities in the census blocks where the project(s) will take

place.

City of Star, census tract #76870, 102.26; 102.27; and 102.28

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Tina G Wilson, Executive Director for Western Alliance for Economic Development
tina@westernallianceed.org
208.615.6083

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The project is important because as you can see from the map uploaded, there are gaps in the orange line (already built) and the aqua blue line (proposed fiber to be built). Providing new public access points in Pavilion and Blake parks will allow wider access to our growing city. It will address the broadband needs of the community by providing a backbone of fiber which can be more readily accessed in future projects serving residential and commercial needs. With this grant paying for the fiber backbone, it allows Fatbeam to not have to pass the costs of construction on to the potential residential or commercial users. Providing high-speed connectivity and public Wi-Fi in key community locations will give that connectivity to everyone regardless of their ability to pay. Scope of work description: Fatbeam proposes the following broadband infrastructure to continue to support the needs of City of Star:
1. Fiber extensions from City of Star City Hall to Star Rural Fire District: Fatbeam's current fiber network has been deployed for the City of Star. Fatbeam proposes a fiber build to extend this fiber network to bring reliable fiber connectivity to this critical public safety entity within the City of Star. Fatbeam will utilize dark fiber and the 1 GIG Dedicated Internet connection to connect the fire district located at 11665 W. State Street back to the City of Star City Hall.
2. Electronics upgrade and integration with City Hall network: Fatbeam, via its partner firm Ednetics, will offer an equipment upgrade to integrate the fiber connection & dedicated internet access to City of Star rural fire district location. The internal LAN network upgrade will consist of necessary equipment like routers, switches, access points etc. and the professional services needed to implement.
3. Fiber extensions to provide Community Wifi access at Blake Park & Pavilion Park: Fatbeam will provide buried fiber extensions from the City Hall of Star out to both Blake Park & Pavilion

Park. Both of these parks will serve as termination points for a Community Access Network via multiple WIFI connections. Fatbeam & Ednetics will include the necessary services for the equipment/community WIFI area.
4. Establishing Community Access Network: Fatbeam, via its partner firm Ednetics, will install and activate a turnkey WiFi solution internally and externally to allow the community of City of Star a public access community WiFi network for the benefit of all your citizens. The price of these services is included in the electronics upgrade for community access.
Fatbeam will work directly with the City of Star to align a contract for maintenance and operation on this network. This broadband infrastructure will provide meaningful benefits to the community of
Star, Idaho as follows:
1) Community Access Networks: providing for high-speed connectivity and public WiFi in key community locations
2) Public Safety: providing for secure and high-speed connectivity for enabling public safety in City
of Star by connecting City Hall & the Rural Fire District with access to 1 GIG Dedicated Internet via
a dark fiber connection
3) Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon
as this foundational infrastructure is up and running
4) Education: providing for secure and high-speed connectivity for students in the City of Star community by providing foundational access to a reliable network through integrated community access at the specific parks mentioned above
The company known as Fatbeam is a high growth fiber-optic broadband provider headquartered in Coeur d'Alene, ID with regional offices in both Boise, Idaho & Twin Falls, Idaho. With nearly a decade of operating experience building and operating fiber broadband networks, we are ready and able to build the fiber-based infrastructure our customers need in the markets we serve. Help us close the gaps

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

The State of Idaho broadband grant project offers a compelling opportunity for public-private partnership to deploy
broadband across communities in a targeted manner. Broadband deployment stimulates economic development by
creating opportunities for businesses and individuals. With the gaps in the current fiber backbone, it is hard to give equal access to all the pillars of econ dev, public safety, telehealth and education. filling in those gaps will provider greater access to the fiber backbone.
With new development happening out in the vicinity of the fire station, this backbone will be able to serve residential and commercial alike.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

Overall, this grant would add to Community Access Networks: providing for high-speed connectivity and public WiFi in key community locations. As to Public Safety: providing for secure and high-speed connectivity for enabling public safety in City of Star by connecting City Hall & the Rural Fire District with access to 1 GIG Dedicated Internet via
a dark fiber connection. It was unknown at the last grant rounds that the Fire Hall did not have

access to high speed filer. This network will aid with Telehealth by providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running. Education is always important, this will provide for secure and high-speed connectivity for students in the City of Star community by providing foundational access to a reliable network through integrated community access at the specific parks Pavilion and Blake parks.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

Without a backbone of fiber, cost effective broadband infrastructure would be hard to deliver in our ever rising costs of construction. Though this grant application does not specifically provide residential high speed services, it will allow the ISPs to move forward at a faster pace to provide residential services.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

Thought not broken out in the budget submitted, the city will be providing public works staff to help accomplish any connections to existing fiber networks as well as any co-locations in city buildings. The Rural Fire Department will also be providing staff for access to the fire hall for a smooth connection. City employees will be locating any underground irrigation for the construction crews to prevent any rupture of underground irrigation lines. In addition, the city will be processing the invoice and ensuring payment once the project is successfully completed.

Question: Estimated total project cost?

180014.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

n/a

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

n/a

Question: What is the maximum broadband speed that will be provided by the project?

Fatbeam will utilize dark fiber and provide Dedicated Internet connections to provide 1G up/down speeds

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes all permits are obtainable. Fatbeam and the City of Star have established relationships with ACHD, Idaho Power & Idaho Department of Transportation.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Fatbeam is a high growth fiber-optic broadband provider headquartered in Coeur d'Alene, ID with regional offices in
both Boise, Idaho & Twin Falls, Idaho. At Fatbeam, we differentiate ourselves by offering fiber-based broadband
solutions combined with a customer- centric and service - oriented approach to doing business. With nearly a decade of operating experience building and operating fiber broadband networks, we are ready and able to build the fiber-based infrastructure our customers need in the markets we serve.
Most recently, Fatbeam continues to grow both organically and inorganically with a recent acquisition of another
Idaho company, Tekhut in the beginning of 2021. With our expanded fiber footprint, Fatbeam currently has fiber
networks in 40 plus cities across the State of Idaho. Fatbeam and the City of Star would like to continue to expand on
the exciting network deployment from 2020's 1st round of Cares Act broadband grant funding which assisted in
expanding critical WIFI access to the patrons of the community of Star, Idaho

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

Will be administered by Tina Wilson, Western Alliance for Economic Development, working closely with the city clerk/treasurer on the accounting side. The City of Star and Tina Wilson worked closely in the last round of CARES Act Broadband grant funding to successfully complete that project and this new one.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

Our project has not received any of the Federal Funds mentioned above, in the past, nor do we expect any in the future.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the

additional state funding was necessary in the project area.

The city of Star did receive funds to bring high speed internet to City hall as well as wi-fi access points at City Hall, Star River House and Hunter's Creek Park. These wi-fi access points have proven to be extremely popular with remote workers and long distance learners alike. We wish to broaden access to our citizens by providing more wi-fi access points in additional city parks. At the time of the last application rounds we were told by local law enforcement that they did not need the high speed as they were on part of a high speed network across all of Ada County. It was only after the fact, the City discovered that the Fire District was not included in the Law Enforcement network.

Question: Include any other relevant information as to why your project should be considered for funding.

Despite our resident population growing at a faster rate then some of our rural neighbors, there is also a growing number of residents who are working remotely and children learning via long distance. The older residential subd. of our city and our main commercial areas were developed before the age of high speed internet. The new development may be keeping up but to go back and redevelop the older neighborhoods is cost prohibitive because it can't be 'tacked' on to the price of new construction. By providing this grant, we will be able to provide equal access, giving access to the older developed parts of town, to all of our citizens, giving them equal opportunities.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

No Attachments

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

City of Star Grant Application 2021 KMZ.kmz (7/16/2021 9:45 AM)
Fatbeam Proposal City of Star Idaho Care Grants 2021.pdf (7/15/2021 12:50 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget-Star.pdf (7/14/2021 1:11 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Gantt Timeline City_of_Star_Idaho_.pdf (7/14/2021 1:11 PM)
Gantt Timeline List City of Star Idaho.pdf (7/14/2021 1:11 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Broadband CARES Act Certification 20200713.2.pdf (7/13/2021 2:29 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

No Attachments

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

broadband grant LOS Fire.pdf (7/16/2021 9:44 AM)

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

Proposed Fiber Network - Star plus existing network.pdf (7/15/2021 12:51 PM)

City of Star

P.O. Box 130
Star, Idaho 83669
208-286-7247
Fax 208-286-7569

www.staridaho.org

Mayor:
Trevor A. Chadwick

City Council:
Kevin Nielsen
Jennifer Salmonsen
Michael Keyes
David Hershey

State of Idaho Broadband Grant CARES Act Certification

STATE OF Idaho
COUNTY OF Ada

The undersigned Jacob M Qualls, City Clerk / Treasurer, representing the City of Star, 10769 W. State Street, Star, Idaho, hereby swear (affirm) that:

1. I am a the City Clerk / Treasurer of City of Star and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.

i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Applicant to complete this section with information regarding how they will meet the above CARES Act Criteria.

- Community Access Networks: providing for high-speed connectivity and public WiFi in key community locations.
- Public Safety: providing for secure and high-speed connectivity for enabling public safety in City of Star by connecting City Hall & the Rural Fire District with access to 1 GIG Dedicated Internet via a dark fiber connection.
- Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running
- Education: providing for secure and high-speed connectivity for students in the City of Star community by providing foundational access to a reliable network through integrated community access at the specific parks included above

July 13, 2021
Date

Signature

SUBSCRIBED AND SWORN before me on this 13 day of July, 2021

BARBARA NORGROVE NOTARY PUBLIC Comm. No. 20203236 STATE OF IDAHO

Barbara Norgrove
Notary Public for Idaho
Residing at City of Star

Commission expires 8-21-2026

STAR FIRE PROTECTION DISTRICT
Office of the Fire Chief
Greg Timinsky
11665 W State St Suite B
Star ID 83669

Date: July 15, 2021

Mayor Trevor Chadwick
P O Box 130
Star, Idaho 83669

RE: Star CARES Act Broadband grant application

Dear Mayor Chadwick

We are The Star Fire Protection District we have 2 locations. The first is located at 11665 West State St Suite B Star ID 83669. The second location is within the Star Fire Protection District at 22585 Kingsbury Rd Middleton ID 83644. We provide all emergency services to the entire 55 sq miles of the Star Fire District with a majority of this being in the City of Star.

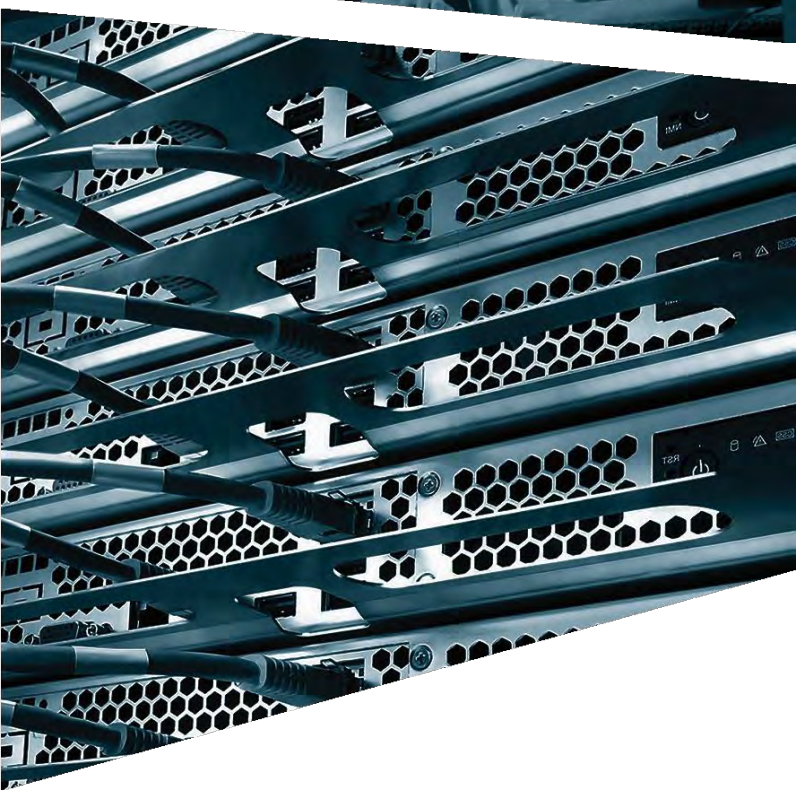
Most all the systems that the Star Fire District use from notification to record keeping are done on web applications. The high-speed broadband would be much more reliable than what we have today. This would help us with quicker notification which leads to faster response times to better mitigate all emergencies.

The Star Fire District supports this application and appreciates the opportunity to be included.

Sincerely,
Greg Timinsky,
Fire District Chief

Idaho Grant Application Fatbeam Proposal Community Broadband Access City of Star, Idaho

July 6th, 2021



fatbeam.com
2065 W. Riverstone Dr. Suite 202
Coeur d'Alene, ID 83814
t 509 344 1008

2065 w riverstone drive
suite 105
coeur d'alene, idaho 83814

t 509 344 1008
f 509 344 1009

July 6th, 2021

Dear Mayor Chadwick &
City of Star Community
Leaders,

Fatbeam is a high growth fiber-optic broadband provider headquartered in Coeur d'Alene, ID with regional offices in both Boise, Idaho & Twin Falls, Idaho. At Fatbeam, we differentiate ourselves by offering fiber-based broadband solutions combined with a customer- centric and service - oriented approach to doing business. With nearly a decade of operating experience building and operating fiber broadband networks, we are ready and able to build the fiber-based infrastructure our customers need in the markets we serve.

Most recently, Fatbeam continues to grow both organically and inorganically with a recent acquisition of another Idaho company, Tekhut in the beginning of 2021. With our expanded fiber footprint, Fatbeam currently has fiber networks in 40 plus cities across the State of Idaho. Fatbeam and the City of Star would like to continue to expand on the exciting network deployment from 2020's 1st round of Cares Act broadband grant funding which assisted in expanding critical WIFI access to the patrons of the community of Star, Idaho.

The State of Idaho broadband grant project offers a compelling opportunity for public-private partnership to deploy broadband across communities in a targeted manner. Broadband deployment stimulates economic development by creating opportunities for businesses and individuals. We believe in crafting solutions with customer input and then delivering the solutions that meet their needs now and in the future.

We look forward to answering any additional questions that you may have regarding our proposal.

Kindest regards,

Graham Taylor

Cost Proposal Summary & Scope of Work

Fatbeam has built and operates a fiber optic network in and around the City of Star connecting a variety of locations to carrier grade internet access starting at 1 Gbps.

Fatbeam proposes the following broadband infrastructure to continue to support the needs of City of Star:

1. **Fiber extensions from City of Star City Hall to Star Rural Fire District:** Fatbeam's current fiber network has been deployed for the City of Star. Fatbeam proposes a fiber build to extend this fiber network to bring reliable fiber connectivity to this critical public safety entity within the City of Star. Fatbeam will utilize dark fiber and the 1 GIG Dedicated Internet connection to connect the fire district located at 11665 W. State Street back to the City of Star City Hall.

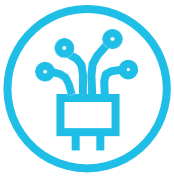
2. **Electronics upgrade and integration with City Hall network:** Fatbeam, via its partner firm Ednetics, will offer an equipment upgrade to integrate the fiber connection & dedicated internet access to City of Star rural fire district location. The internal LAN network upgrade will consist of necessary equipment like routers, switches, access points etc. and the professional services needed to implement.

3. **Fiber extensions to provide Community Wifi access at Blake Park & Pavilion Park:** Fatbeam will provide buried fiber extensions from the City Hall of Star out to both Blake Park & Pavilion Park. Both of these parks will serve as termination point's for a Community Access Network via multiple WIFI connection's. Fatbeam & Ednetics will include the necessary services for the equipment/community WIFI area.

4. **Establishing Community Access Network:** Fatbeam, via its partner firm Ednetics, will install and activate a turnkey WiFi solution internally and externally to allow the community of City of Star a public access community WiFi network for the benefit of all your citizens. The price of these services is included in the electronics upgrade for community access. Fatbeam will work directly with the City of Star to align a contract for maintenance and operation on this network.
   For a total investment of **$178,232.00**, this broadband infrastructure will provide meaningful benefits to the community of Star, Idaho as follows:

   - ✓ Community Access Networks: providing for high-speed connectivity and public WiFi in key community locations
   - ✓ Public Safety: providing for secure and high-speed connectivity for enabling public safety in City of Star by connecting City Hall & the Rural Fire District with access to 1 GIG Dedicated Internet via a dark fiber connection
   - ✓ Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running
   - ✓ Education: providing for secure and high-speed connectivity for students in the City of Star community by providing foundational access to a reliable network through integrated community access at the specific parks included above

Proposed Broadband Infrastructure Support



Extending fiber network to City of Star Parks & Fire District

Electronics upgrade, and integration with City Hall network

Fiber extension to create Community WiFi Access Points

Establishing Community Access Network

DARK FIBER

NETWORK WITHOUT LIMITS

Bandwidth too thin?

Fatbeam Dark Fiber offers customers the luxury of growth as well as the economy of scale. Take control of your network, and your costs.

Fat and flexible

Need more bandwidth? Future-proof your network with Fatbeam Dark Fiber. As your bandwidth needs increase in the future your monthly bill does not – simply upgrade your network equipment:

- **Lower cost for high bandwidth applications**
- **Full control over your telecom infrastructure**
- **Gain economies of scale as bandwidth needs increase**
- **Flexible solutions to meet all network configurations**
- **Dedicated network infrastructure**
- **Low latency and redundancy**

Stout service

Fatbeam will manage all aspects of your fiber network construction including permitting, network engineering and local compliance. We also manage fiber splicing and laterals to all sites as well as ongoing maintenance of the network.

Hungry applications?

Open the throttles on your internal network and stop paying more each time you need to increase capacity:

- **Video Conferencing and Broadcast Video**
- **Voice-over-Internet Protocol (VoIP)**
- **Internal Data Traffic**
- **Virtual IT and Cloud Computing**
- **Data Backup, Storage and Disaster Recovery**
- **Media Streaming**

Scalability

Enjoy the ability to replace and upgrade technology at your own pace. Optimize your network and upgrade bandwidth as you see fit.

Security

Dark fiber provides physical security by completely avoiding the public internet, keeping your data safe from unauthorized access.

Affordability

Participate in the design and topology of Fatbeam's dark fiber delivery. There are multiple financial options available – just ask!

Stout service

Fatbeam will manage all aspects of your fiber network construction including permitting, network engineering and local compliance. We also manage fiber splicing and laterals to all sites as well as ongoing maintenance of the network.

FIBER INTERNET

LOAD UP ON BANDWIDTH

Need for speed?

Slow internet can really effect your business. Fatbeam's fiber-based internet offers connections with powerful features.

- No data caps
- No bursting fees
- No local loop charges
- No port costs — Zero hidden fees

One fair fixed price for a TON of bandwidth.

Hungry applications?

Open the throttles on your internal network and stop paying more each time you need to increase capacity.

- Video Conferencing and Broadcast Video
- Voice-over-Internet Protocol (VoIP)
- Internal Data Traffic
- Virtual IT and Cloud Computing
- Data Backup, Storage and Disaster Recovery
- Media Streaming

Make the switch

Is your business tired of price increases and teaser rates with your legacy provider? Unbundle yourself from your current internet provider, switch to Fatbeam's ability to scale your bandwidth and is fully managed with a low total cost of ownership. Fatbeam can provide networks in communities of all sizes from large cities to rural communities.

Fatbeam Lit Fiber is a monitored service, which includes 365 day 24/7-network monitoring via the Fatbeam Network Operation Center (NOC).

Scalability

Enjoy the ability to replace and upgrade technology at your own pace. Optimize your network and upgrade bandwidth as you see fit.

Reliability

Through our Network Operations Center and guaranteed SLAs, we make sure our fiber is always ready to support your needs, ensuring 99.9% availability.

Affordability

With multiple financial options available, there is an option for every budget, giving you the network quality that you need. Ask us more today.

Powerful

Fatbeam offers powerful and reliable bandwidth for your unique business needs. We provide ondemand speeds to deliver files and applications to your business so you can get on with your life.

2017
BEST
PLACES
WORK INW

2018
BEST
PLACES
WORK INW

2019
BEST
PLACES
WORK INW

fatbeam®

Fatbeam Support

Repair Ticket Outage Process

Call Fatbeam support at 855.979.8844 or email support@fatbeam.com to open a trouble ticket.

Please be prepared to provide the following information:

- Business name, address and type of service at the location experiencing issues
- Primary site contact name, phone number, alternate phone number and email address, as well as access days and hours of availability.

Standard Support SLA's for updates on new tickets are as follows:

Priority	Priority Description	Contact Interval
P1	Hard Down/Full Service Impact	1 Hour
P2	Degradation in Network Performance/Partial Service Impact	2 Hours
P3	Informational or Change Request / No Service Impact	24 Hours

Fatbeam Support Escalation

If you feel that your repair issue is not being resolved in a satisfactory timeframe, please escalate using the information below:

Escalation Level	Contact Name	Title	Contact Information
1	Fatbeam Tech	On call	208.763.4346
2	Matt Knoblich	Construction Manager	208.929.0010
3	Bruce Hathaway	Senior OSP Engineer	208.771.9204
4	Jason Koenders	COO/CTO	206.619.9175

fatbeam®

Equipment & Specifications

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Features and Benefits

Gel-free waterblocking technology
Craft-friendly cable preparation

Corrugated steel tape armor
Provides rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes
Facilitate easy routing in closures

SZ-stranded, loose tube design
Isolates fibers from installation and environmental rigors and facilitates mid-span access

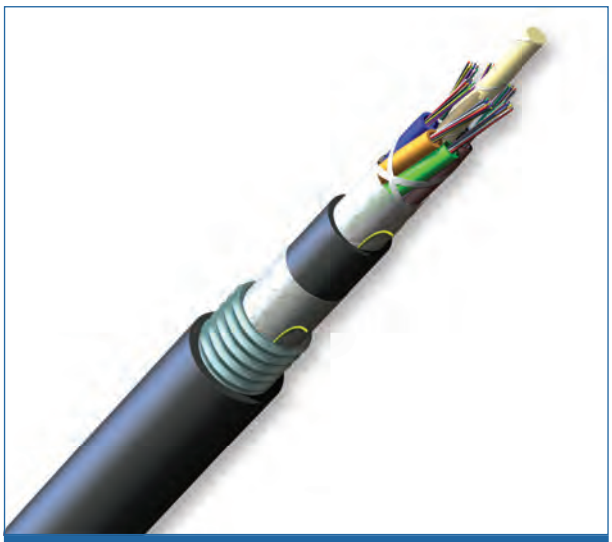
Dielectric central strength member
No preferential bend and requires no bonding or grounding

Medium-density polyethylene jacket
Makes cable rugged and durable while being flexible and easy to strip

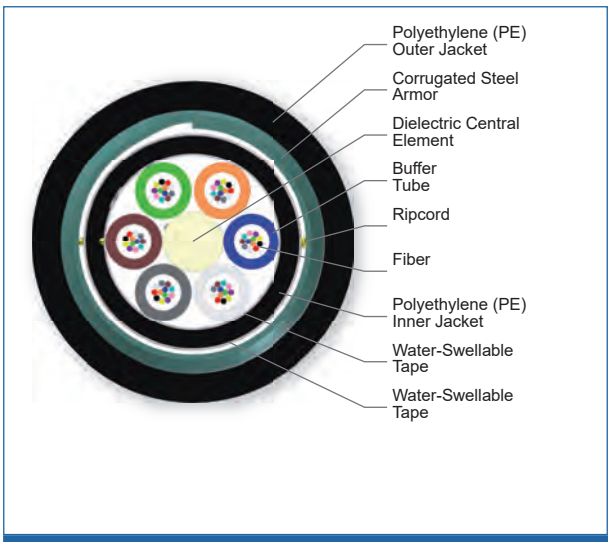
ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while suitable for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Standards

Design and Test Criteria	ANSI/ICEA S-87-640 Telcordia GR-20 RDUP PE-90



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 72 Fibers | Photo PIM0541

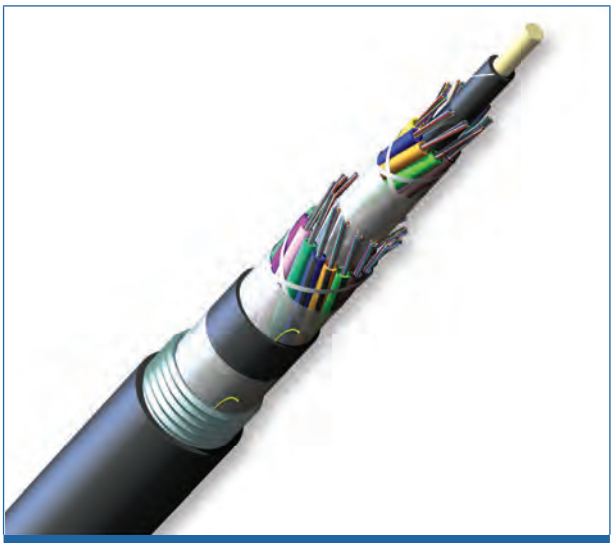


ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 72 Fibers | Photo PIM1440

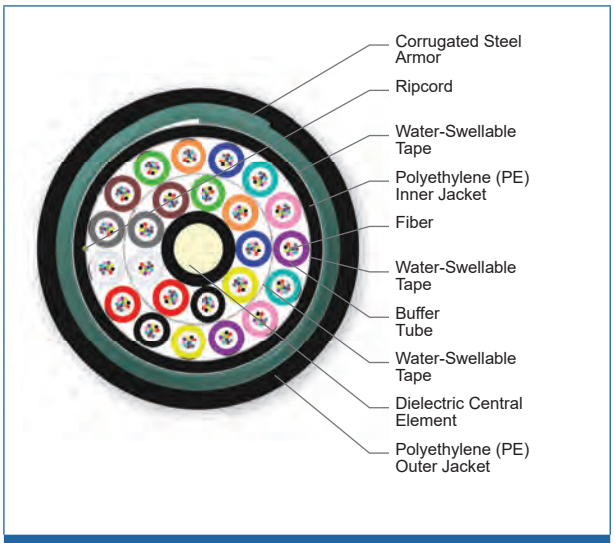
CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 288 Fibers | Photo PIM0546



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 288 Fibers | Photo PIM1445

Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

** Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.*

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

Mechanical Characteristics Cable						
Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
12 - 72	6	1 - 6	179 kg/km (120 lb/1000 ft)	14.3 mm (0.56 in)	215 mm (8.4 in)	143 mm (5.6 in)
96	8	8	219 kg/km (147 lb/1000 ft)	16 mm (0.63 in)	240 mm (9.4 in)	160 mm (6.3 in)
144	12	12	318 kg/km (213 lb/1000 ft)	19.7 mm (0.78 in)	296 mm (11.6 in)	197 mm (7.8 in)

CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Mechanical Characteristics Cable						
Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Instal-lation	Min. Bend Radius Ope-ration
192 - 216	18	16 - 18	312 kg/km (209 lb/1000 ft)	19.9 mm (0.78 in)	299 mm (11.8 in)	199 mm (7.8 in)
288	24	24	384 kg/km (257 lb/1000 ft)	22.2 mm (0.87 in)	333 mm (13.1 in)	222 mm (8.7 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Transmission Performance

Multimode				
Fiber Core Diameter (µm)	62.5	50	50	50
Fiber Category	OM1	OM2	OM3	OM4
Fiber Code	K	T	T	T
Performance Option Code	30	31	80	90
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/500	1000/600	1100/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-

CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Single-mode					
Fiber Name	SMF-28e+® LL	SMF-28® Ultra fiber**	Single-mode (OS2)	Single-mode (OS2)	LEAF® fiber
Fiber Category	G.652.D	G.652.D/G.657.A1	G.652.D	G.652.D	G.655
Fiber Code	L	Z	E	E	F
Performance Option Code	22	22	00	01	01
Wavelengths (nm)	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.34/0.34/0.22	0.34/0.34/0.22	0.35/0.35/0.25	0.4/0.4/0.3	-/-/0.25
Typical Attenuation* (dB/km)	0.32/0.32/0.18	0.32/0.32/0.18	-	-	-/-/0.19

Fiber Name	SMF-28® ULL
Fiber Category	G.652
Fiber Code	P
Performance Option Code	19
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.33/-/0.19
Typical Attenuation* (dB/km)	0.31/-/0.17

** For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf*

** * SMF-28® Ultra fiber delivers up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.*

CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*

1	1	1	2	3	4	5	6	7	8	8	9	10	10
□	□	□	□	U	5	-	□	□	1	□	□	D	2	0

1 Select fiber count.
Standard offerings:
012-288 (Increments of 12)

2 Select fiber code.
K = 62.5 µm multimode (OM1)
T = 50 µm multimode (OM2/OM3/OM4)
E = Single-mode (G.652.D)
L = Single-mode (G.652.D) SMF-28e+® LL
Z = Single-mode (G.652.D/G.657.A1) SMF-28® Ultra
P = Single-mode (G.652) SMF-28® ULL
F = Single-mode (G.655) LEAF®

3 Defines cable type.
U = ALTOS® Gel-Free Cable

4 Defines outer jacket.
5 = Armor Lite™ Cable

5 Select fiber placement.
T = 12 fibers/buffer tube (standard)
6 = 6 fibers/buffer tube
See Note 1.

6 Select length markings.
3 = Markings in meters
4 = Markings in feet (standard)

7 Defines tensile strength.
1 = 2700 N/600 lbf (standard)

8 Select performance option code.
30 = 62.5 µm multimode (OM1)
31 = 50 µm multimode (OM2)
80 = 50 µm multimode (OM3)
90 = 50 µm multimode (OM4)
01 = Single-mode (OS2)
(Max. attenuation 0.4/0.4/0.3 dB/km)
00 = Single-mode (OS2)
(Max. attenuation 0.35/0.35/0.25 dB/km)
22 = Single-mode (OS2)
(Max. attenuation 0.34/0.34/0.22 dB/km)
19 = Single-mode (Ultra Low-Loss)
(Max. attenuation 0.33/–/0.19 dB/km)
01 = Single-mode NZDSF*
(Max. attenuation –/–/0.25 dB/km)
**Non-Zero Disperson-Shifted Single-mode Fiber*

9 Defines cable type.
D = ALTOS® Gel-Free Cable

10 Defines special requirements.
20 = No special requirements

1) Cable outer diameter may change. Example: 48 F cable with 6 fibers per tube will require 8 active buffer and have an OD like a standard 96 F cable.

RoHS COMPLIANT

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm
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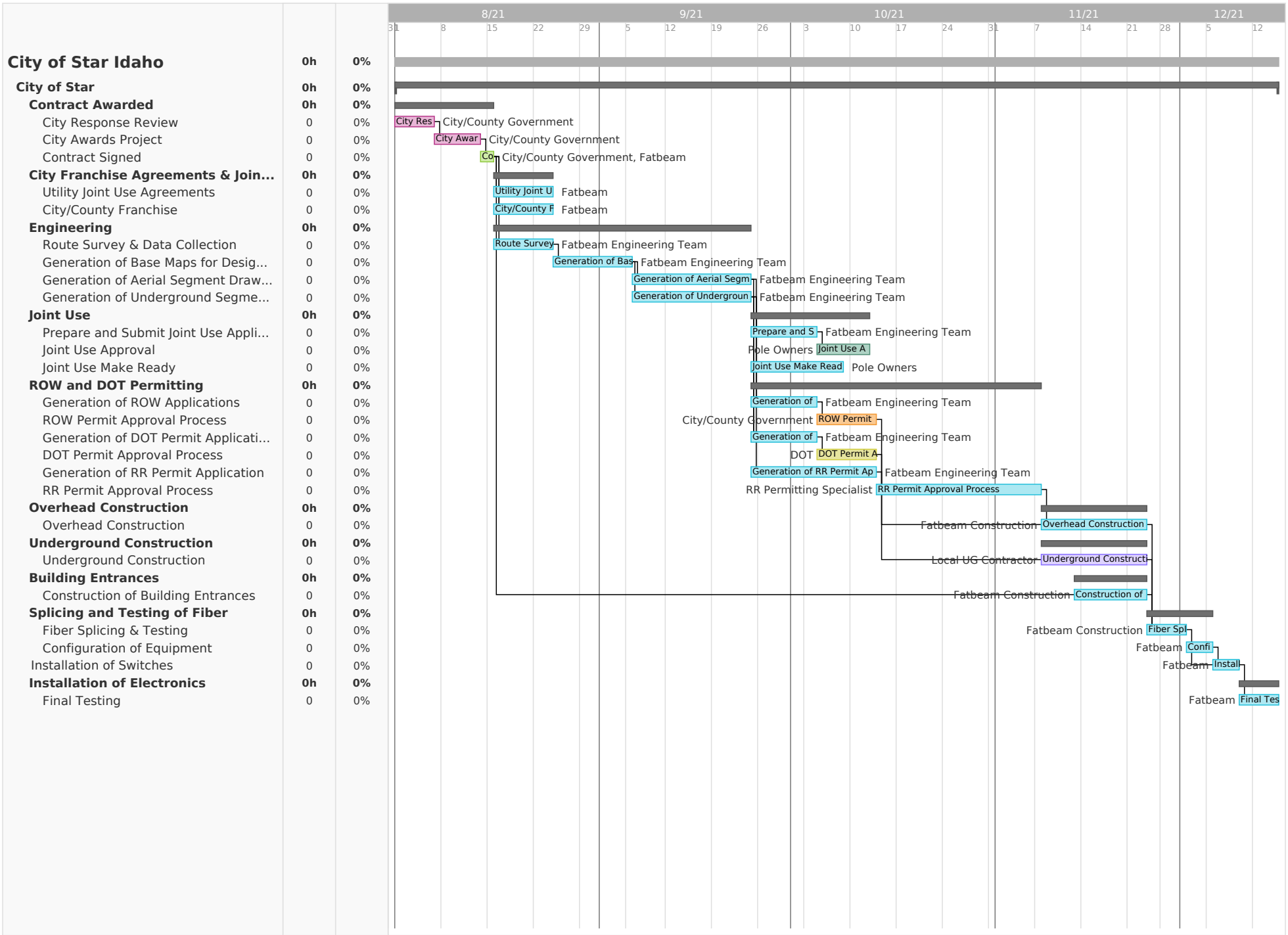
CORNING



Deployment Schedule: Fatbeam will work in good faith and in a commercially reasonable manner to deliver the services by the agreed upon deployment schedule, which will be determined by the parties prior to the commencement of the project.

City of Star Idaho

City of Star	**0%**	**Start**	**Due**	**Assigned**
Contract Awarded	**0%**			
City Response Review	0%	Aug 1, 2021	Aug 6, 2021	City/County Government
City Awards Project	0%	Aug 7, 2021	Aug 13, 2021	City/County Government
Contract Signed	0%	Aug 14, 2021	Aug 15, 2021	City/County Government, …
City Franchise Agreements & Joint	**0%**			
Utility Joint Use Agreements	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam
City/County Franchise	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam
Engineering	**0%**			
Route Survey & Data Collection	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam Engineering Team
Generation of Base Maps for Design Work	0%	Aug 25, 2021	Sep 5, 2021	Fatbeam Engineering Team
Generation of Aerial Segment Drawings	0%	Sep 6, 2021	Sep 24, 2021	Fatbeam Engineering Team
Generation of Underground Segment	0%	Sep 6, 2021	Sep 24, 2021	Fatbeam Engineering Team
Joint Use	**0%**			
Prepare and Submit Joint Use Application	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
Joint Use Approval	0%	Oct 5, 2021	Oct 12, 2021	Pole Owners
Joint Use Make Ready	0%	Sep 25, 2021	Oct 8, 2021	Pole Owners
ROW and DOT Permitting	**0%**			
Generation of ROW Applications	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
ROW Permit Approval Process	0%	Oct 5, 2021	Oct 13, 2021	City/County Government
Generation of DOT Permit Application	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
DOT Permit Approval Process	0%	Oct 5, 2021	Oct 13, 2021	DOT
Generation of RR Permit Application	0%	Sep 25, 2021	Oct 13, 2021	Fatbeam Engineering Team
RR Permit Approval Process	0%	Oct 14, 2021	Nov 7, 2021	RR Permitting Specialist
Overhead Construction	**0%**			
Overhead Construction	0%	Nov 8, 2021	Nov 23, 2021	Fatbeam Construction
Underground Construction	**0%**			
Underground Construction	0%	Nov 8, 2021	Nov 23, 2021	Local UG Contractor
Building Entrances	**0%**			
Construction of Building Entrances	0%	Nov 13, 2021	Nov 23, 2021	Fatbeam Construction
Splicing and Testing of Fiber	**0%**			
Fiber Splicing & Testing	0%	Nov 24, 2021	Dec 1, 2021	Fatbeam Construction
Configuration of Equipment	0%	Dec 2, 2021	Dec 5, 2021	Fatbeam
Installation of Switches	0%	Dec 6, 2021	Dec 9, 2021	Fatbeam
Installation of Electronics	**0%**			
Final Testing	0%	Dec 10, 2021	Dec 15, 2021	Fatbeam

Deployment Schedule: Fatbeam will work in good faith and in a commercially reasonable manner to deliver the services by the agreed upon deployment schedule, which will be determined by the parties prior to the commencement of the project.

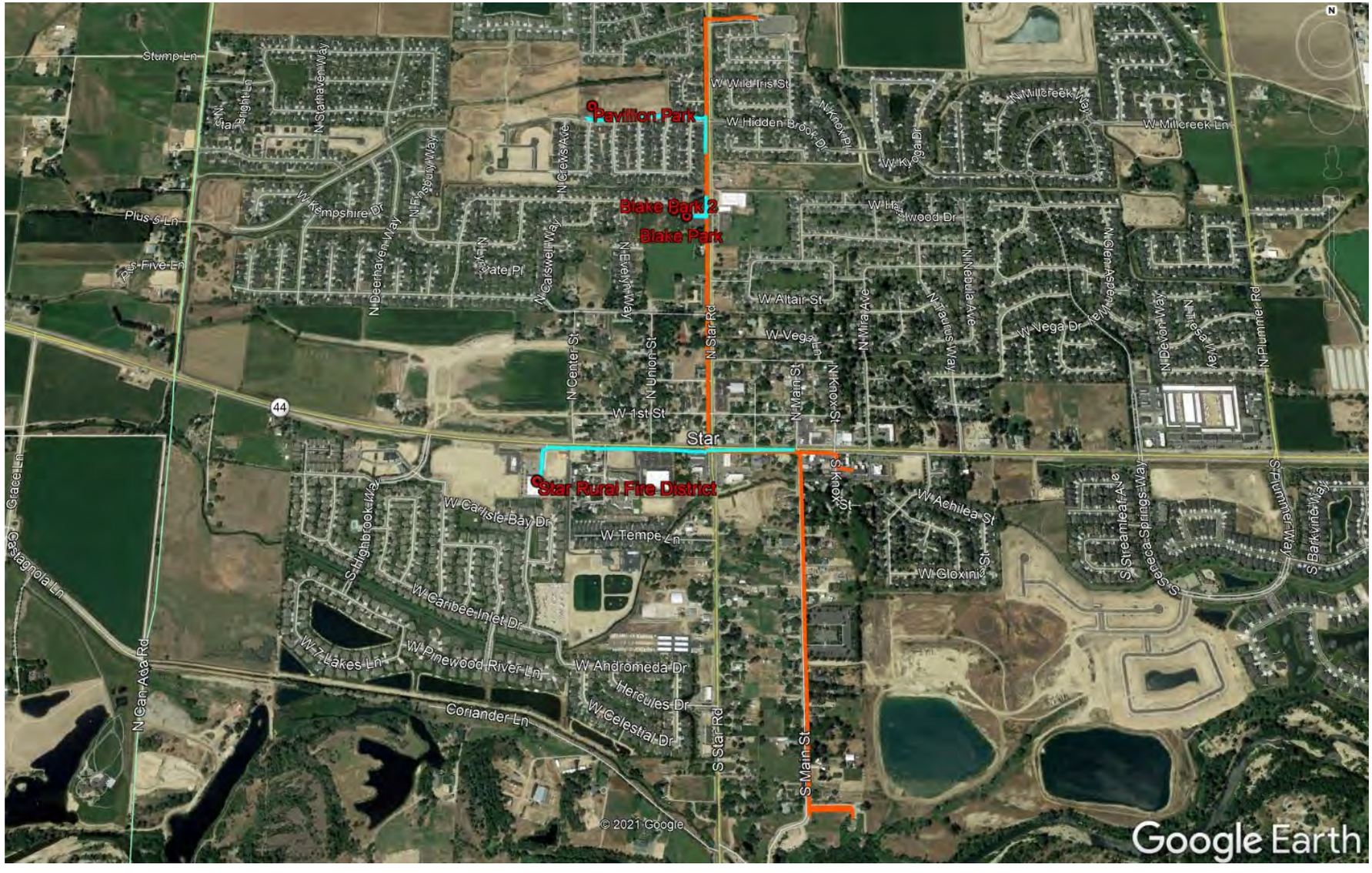
Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

fatbeam

CITY OF STAR

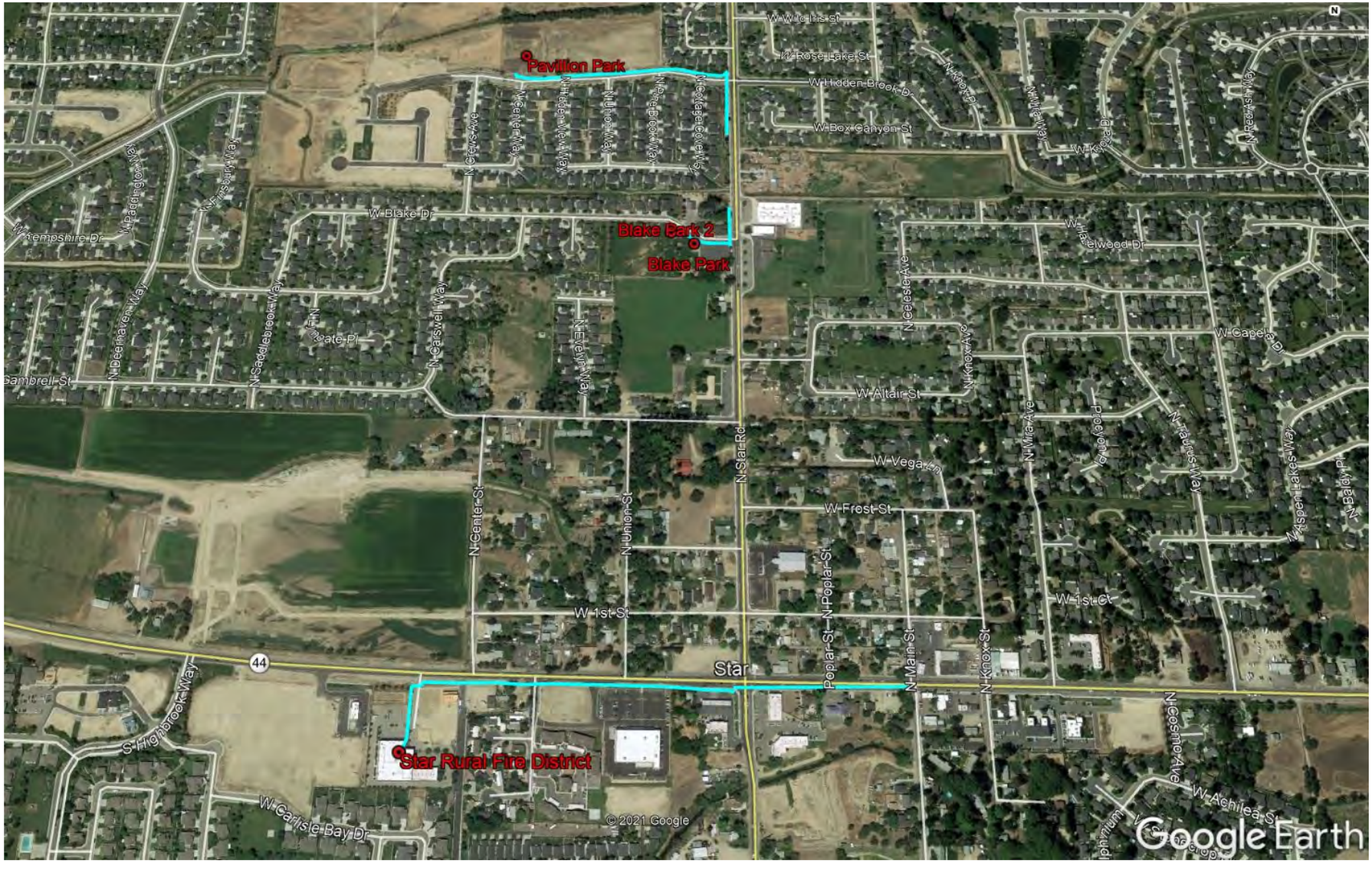
Proposed Fiber Network



Proposed Fatbeam Fiber Network
2021 Cares Build: Blue
2020 Cares Build: Orange

CITY OF STAR

Proposed Fiber Network



Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Lindsey Bratcher
Applicant ID	APP-004811
Company Name	Payette County
Recipient Address	Payette County 1130 3rd Ave N Payette, ID 83661
Phone	(208) 642-6000
Email	lbratcher@payettecounty.org
Amount Requested	$1,537,166.97
Status	Submitted
Funded	☐

Application Title: Payette County SWST Hut/NuAcres Hut project

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

a. Name Lindsey Bratcher
b. Title/Position County Clerk
c. Mailing Address 1130 3rd Ave N, Payette ID 83661
d. Email Address LBratcher@Payettecounty.org
e. Phone Number 208-642-6000

Question: List the cities/communities in the census blocks where the project(s) will take place.

Underserved rural portions of Southwest Payette County, Northwest Canyon County, including the unincorporated area of Nu Acres.

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

a. Lindsey Bratcher, County Clerk
b. lbratcher@payettecounty.org
c. 208-642-6000

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

This area, primarily serving a portion of Southwest Payette County and a small area of Northwest Canyon County, is unincorporated and underserved. The existing copper cable transmission media is old and in need of replacement. This project plan will replace the copper cable with state-of-the-art fiber optic cable and Gigabit Passive Optical Network (GPON) electronics. This will provide the answer to requirements of the CARES Act Broadband Grant fund by providing the necessary bandwidth up to 1000 Mbps (1Gig) to allow for distance learning, telework, telehealth, and public safety.

A more detailed overview of the project and scope of work is included on page two of the attachment entitled, "Payette County Broadband Grant Application".

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

When put in place, this fiber optic infrastructure will serve to draw interest from both residences and businesses. Existing infrastructure inhibits customers from stable connectivity preventing their ability to efficiently telehealth or work and educate from the safety of their own home. Additional information can be found beginning on page 3 of the attachment entitled, "Payette County Broadband Grant Application".

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

This project plan will replace the copper cable with state-of-the-art fiber optic cable and Gigabit Passive Optical Network (GPON) electronics. This project is necessary to provide bandwidth up to 1000 Mbps (1Gig) to allow for distance learning, telework, telehealth, and public safety. Additional strains have been put on the communications network with COVID-19 and infrastructure must be improved to allow the existing needs and future requirements to be fulfilled. Additional information can be found on page 4 of the attachment entitled, "Payette County Broadband Grant Application".

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

This area will be served utilizing fiber optic broadband infrastructure with vastly improved broadband speed capability, as opposed to the current outdated copper-based system. Lower cost telephone service can be achieved by using Voice over Internet Protocol (VoIP) over the top of the fiber optic-based internet. The cost effectiveness of a fiber-based network will be realized over a large amount of years. Fiber optics cables have been in the ground since the early 90’s and the only thing that needs to be updated is the electronics on each end when capacity limits are reached. No more investing in the cable with the huge costs of installation.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

There are no match funds at this time and this project would have to be financed by FMTC through lending agencies without grant funds. If the project were to run over the total estimate, FMTC would cover those costs.

Question: Estimated total project cost?

1567166.97

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

The number of households/Locations served by this project will be 129

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

The average cost per household of new broadband service is $12,148.58.

Question: What is the maximum broadband speed that will be provided by the project?

The maximum broadband speed provided by this project will be 1000 Mbps (1Gig). The beauty of having fiber optics as a medium is that future upgrades to faster speeds are obtainable by simply changing out electronics in the Central office and the optical network Termination (ONT) located at the customer premise.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes. All permits, permissions, and zoning requirements have been obtained for the project to allow it to be completed and paid for by December 31, 2021. Permits were required for Payette County Road and Bridge, State of Idaho, Bureau of Reclamation, Canyon County, and Highway District #1 of the Idaho Transportation Department.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Farmers Mutual Telephone Company in Fruitland, Idaho will be providing the service and will have ownership of the broadband infrastructure.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The project will be administered by Farmers Mutual Telephone Company who will provide regular reporting and progress reports to the grant administrator, Lindsey Bratcher at Payette County. FMTC will provide to Payette County a list of materials to be used in the Fiber Optic construction process, including handholes, conduit, and fiber optic cable. FMTC will keep the county informed of the construction process with documentation so that the county can audit the process. FMTC will use an engineering firm, Vantage Point Solutions, to inspect and review all invoices from the contractor awarded the project. Vantage Point Solutions was the firm that engineered the project and designed the plans.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No. This area has not received any CAFII, RDOF, or USDA Reconnect funds for building out fiber optic networks. FMTC has gone to traditional lending agencies to take out loans for the fiber optic builds it has undertaken in its incumbent local exchange carrier service area. If awarded, these grant funds, they will allow for FMTC to build out fiber optics in its service area at a faster rate and allow for these subscribers to take advantage of faster broadband. FMTC is a recipient of universal service funds which help support communication companies in high-cost areas of the United States. If Payette County and FMTC are not successful in this grant

application, FMTC will apply for future grant opportunities through the State of Idaho and Federal government opportunities.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No.

Question: Include any other relevant information as to why your project should be considered for funding.

FMTC participates in the FCC Low Income Lifeline and Emergency Broadband Benefit Program to allow those families that are struggling to get assistance to pay for their communications needs through the state and federal government funds. FMTC is a cooperative that is owned by its members and works to provide the best service at the lowest price. FMTC supports its community and has been in service since 1908.

The materials for this project are available and ready to install. Permitting has been completed and the contractor's area available, so the requirement to have the project completed no later than December 31, 2021, will not be an issue.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

5896 S Whitley DR test.pdf (7/16/2021 7:54 AM)
5890 S Whitley DR speed test.pdf (7/16/2021 7:54 AM)
5350 S Whitley DR speed test.pdf (7/16/2021 7:54 AM)
5325 S Whitley DR test.pdf (7/16/2021 7:53 AM)
3153 1st LN E test.pdf (7/16/2021 7:53 AM)
3010 1st LN E test.pdf (7/16/2021 7:53 AM)
2740 1st LN E speed test.pdf (7/16/2021 7:52 AM)
2550 1st LN E test.pdf (7/16/2021 7:52 AM)
1301 Locker Ave test.pdf (7/16/2021 7:51 AM)
1280 Locker Ave speed test.pdf (7/16/2021 7:51 AM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include

1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

Fiber project.kmz (7/16/2021 8:03 AM)
pdf of SWST Hut project boundary.pdf (7/16/2021 7:57 AM)
pdf of NuAcres project boundary.pdf (7/16/2021 7:56 AM)
pdf of overall service area.pdf (7/16/2021 7:56 AM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

2021 Fiber Optic Project Budget.pdf (7/16/2021 8:04 AM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

2021 Fiber Optic Project Construction Schedule.pdf (7/16/2021 8:04 AM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Payette County Certification.pdf (7/16/2021 8:05 AM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

Canyon County FMTC Support letter.pdf (7/16/2021 2:14 PM)
2021 07-14 Parma Rural Fire Farmers Mutual Telephone Company.pdf (7/16/2021 2:13 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

FMTC Community Broadband Plan.docx (7/16/2021 3:01 PM)

Question: Any applicable Site Plans, studies, or photographs.

Payette County Broadband Grant Application.docx (7/16/2021 3:01 PM)

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Apps | Work VPN | Reading list

IDAHO COMMERCE

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Apps | Work VPN | Reading list

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Apps | Work VPN | Reading list

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Apps | Work VPN | Reading list

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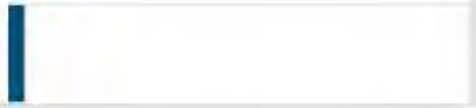

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Apps | Work VPN | Reading list

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Apps | Work VPN | Reading list

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Apps | Work VPN | Reading list

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The College of Idaho
Caldwell, ID

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7/14/2021

In the past 30 days over **12,405,866** people have used speed tests to see their download speeds, upload speeds, and ping. Press "Start Test" below to get started testing your connection.

Download Speed

Speed Test Completed

Server: ndt-iupui-mlab2-sea04.mlab-oti.measurement-lab.org

Compare Providers | Bandwidth Calculator

Summary | Details | Advanced

Download speed
3.37 Mb/s

Upload speed
945.00 kb/s

Your Internet speed is slower than average. It is sufficient for basic uses like email and web browsing but will likely struggle when streaming HD video, using Skype, and other video-based use cases.

Share Result URL

https://broadbandnow.com/speedtest/9avmfrlt-2z03-4b3c-8f06-b33f7

McPhersons Island
30
Hwy 30 WI
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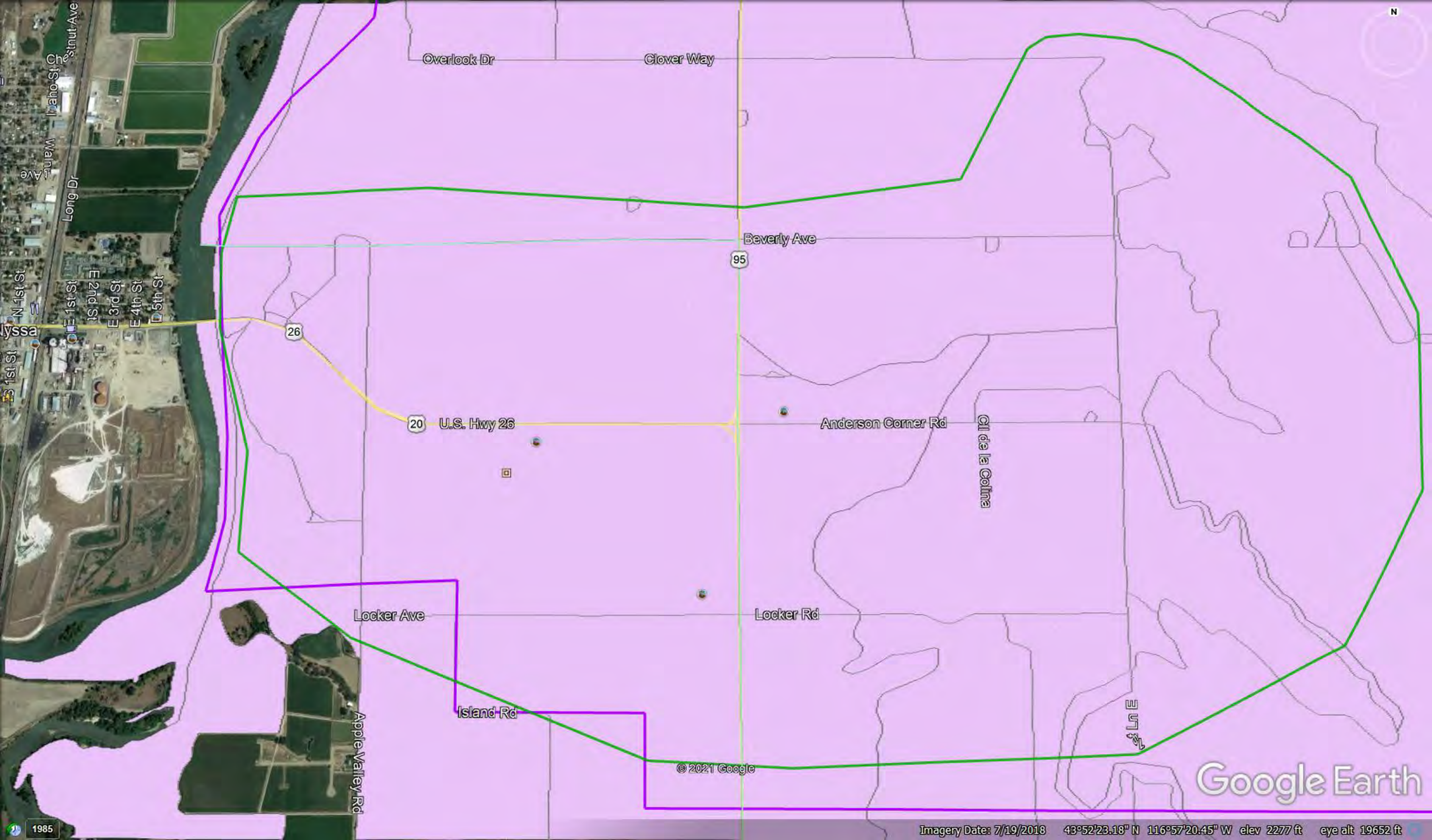
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Pennsylvania Ave
Cairo Blvd
Morton Island
McPhersons Island
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Birding Island
Payette
New Plymouth
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Crow Island
Perrin Island
Gamble Island
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Letha
Gold Island
Settlers Island
Heron Island
Big Cottonwood Island
© 2021 Google
Google Earth
Imagery Date: 8/2/2019 43°56'48.49" N 116°52'14.73" W elev 2398 ft eye alt 23.89 mi

SWST HUT (2021)			
CIRCLE H CONSTRUCTION		CONST.	$443,690.97
VANTAGE POINT		10%	$44,369.10
PERMITS		CONST.	$1,500.00
HUT SITE UPGRADES	(Outside Plant)	OSP.	$4,500.00
HUT SITE UPGRADES	(Central Office)	CO.	$8,000.00
ONT HOUSINGS	($ 40.00)	x55	$2,200.00
ONT CARDS	($ 360.00)	x29	$10,440.00
FTTH Cutover Labor	(6hrs x 50.00)	x29	$8,700.00
UPS FOR ONT	($ 160.00)	X22	$3,520.00
SPLITTERS @ HUT SITE	($ 1250.00)	x1	$1,250.00
FMTC MATERIAL MISC.		OSP	$3,000.00
FMTC LABOR (Coordination, Inspection, Mapping)		7.89%	$ 35,007.22
TOTAL		TOTAL	$566,177.28

NUAR HUT (2021)			
CIRCLE H CONSTRUCTION (Labor and Materials)		CONST.	$809,245.64
VANTAGE POINT (Engineering and Inspections)		10%	$80,924.56
PERMITS		CONST.	$1,000.00
HUT SITE UPGRADES	(Outside Plant)	OSP.	$1,000.00
HUT SITE UPGRADES	(Central Office)	CO.	$240.00
ONT HOUSINGS	($ 40.00)	x95	$3,800.00
ONT CARDS	($ 360.00)	x50	$18,000.00
FTTH Cutover Labor	(6hrs x 50.00)	x50	$15,000.00
UPS FOR ONT	($ 160.00)	x23	$3,680.00
SPLITTERS @ HUT SITE	($ 1250.00)	x1	$1,250.00
FMTC MATERIAL MISC.		OSP	$3,000.00
FMTC LABOR (Coordination, Inspection, Mapping)		7.89%	$63,849.48
TOTAL		TOTAL	$1,000,989.68

$1,567,166.97

Construction Schedule

Project Area Description	Task	Date
SW Hut	Materials Ordered	September 25, 2020
	Materials Aquired	March 30, 2021
	Construction Starts	April 1, 2021
	50 Days	
	Construction Ends	June 10, 2021
	Map Project	July 1, 2021
	Fiber optic cutovers Start	July 1, 2021
	Fiber optic cutovers End	August 31, 2021
NuAcres Hut	Materials Ordered	September 25, 2020
	Materials Aquired	March 30, 2021
	Construction Starts	June 11, 2021
	80 Days	
	Construction Ends	October 4, 2021
	Map Project	October 29, 2021
	Fiber optic cutovers Start	September 1, 2021
	Fiber optic cutovers End	November 15, 2021
	Submit project close out Documents	December 1, 2021

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO

COUNTY OF PAYETTE

The undersigned, Lindsey Bratcher, representing Payette County, 1130 3rd Ave N. Payette, Idaho 83661, hereby swear (affirm) that:

1. I am the County Clerk of Payette County, Idaho and thereby authorized to make these statements.

2. I have personal knowledge of the facts herein and can testify completely thereto.

3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here, https://home.treasury.gov/system/files/136/CRF-Guidance-Federal-Register_2021-00827.pdf

   and here.

   https://home.treasury.gov/system/files/136/CRF-Guidance-Federal-Register_2021-00827.pdf .

   i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.

   ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Payette County's project application asks for funds to cover capital expenditures to facilitate building the fiber to the home solution to allow for distance learning, tele health solutions, working from home, and other low-cost options for VOIP communications with speeds up to 1000Mbps (1Gig) for high speed internet.

Lindsey Bratcher
Signature

07/13/2021
Date

SUBSCRIBED AND SWORN before me on this 13 day of July 2021.

Julie Anderson
Notary Public for STATE

Residing at New Plymouth ID

Commission expires 5-27-2022

JULIE ANDERSON NOTARY PUBLIC Comm. No. 42217 STATE OF IDAHO

CANYON COUNTY COMMISSIONERS

Leslie Van Beek District I | **Keri Smith** District II | **Pam White** District III

1115 Albany ❖ Caldwell, Idaho 83605 ❖ Telephone: (208) 454-7507 ❖ Fax: (208) 454-7336

July 16, 2021

Farmers Mutual Telephone Company
319 SW 3rd St., PO Box 1030
Fruitland, ID 83619

Re: CARES Act Broadband Grant

To Whom It May Concern:

The Canyon County Commissioners are in support of the effort by Famers Mutual Telephone Company to bring broadband to Payette County and the Nu Acres portion of Canyon County. The CARES Act Broadband grant will assist in bringing broadband internet to an underserved population allowing access to important services such as telework, telehealth services, distance learning and public safety. We appreciate your consideration of this application.

Sincerely,

Canyon County Board of Commissioners

Commissioner Leslie Van Beek

Commissioner Keri Smith

Commissioner Pam White

Parma Rural Fire Protection District

P.O. Box 429
Parma, Idaho 83660

July 14, 2021

Farmers Mutual Telephone Company
319 SW Third Street
Fruitland, Idaho 83619

re: Idaho Cares Act Broadband Funding

To Whom it May Concern:

Regarding the Cares Act Grant Application that is being submitted by Payette County, the Parma Rural Fire District recognizes the potential of increased broadband capability in the project area encompassing the Nu Acres rural community located partly in Payette County and partly in Canyon County.

As we understand the project, the fiber optic cable and electronics planned for the area served by this broadband project will be installed by Farmers Mutual Telephone Company (FMTC), and include an area that is also covered by the Parma Rural Fire District which includes a small fire station with offices, and as such, we are sending our letter in support of the project and the grant application.

Sincerely,

Kathryn Zaiss
Secretary / Treasurer
Parma Rural Fire Protection District

FARMERS
Mutual Telephone Co.
Traditional Values | Technology for the Future

Community Broadband Plan:

Farmers Mutual Telephone Company (FMTC) is a cooperative that is owned by the members since 1908. It has a service area of 53 square miles in Payette and northern Canyon Counties. FMTC has a rich history of working with the local communities to bring the most advanced technological services possible. In 2016 FMTC started to replace all its old copper cable facilities with new state of the art fiber optic cable and supporting electronics. Each year additional areas are being addressed and upgraded with Fiber To The Home (FTTH) technologies. The 2021 FTTH project is being represented in this grant application. FMTC has also extended fiber cable outside its traditional boundaries and went through portions of New Plymouth and Payette in Payette County. In 2020 FMTC worked with the City of Payette to extend fiber optic cable to City Hall and the Fire Station through a grant program to provide broadband services. In Fruitland, fiber has been extended to all schools, government, and health care facilities. In New Plymouth fiber has been extended to all schools and some businesses.
By working with County and City leaders in our surrounding area, FMTC will continue to expand our offerings with the best long-term solutions to meet the needs of our community. FMTC is a service provider that is part of the community and will continue to be well into the future.

State of Idaho Public Broadband Grant Application

Applicant	Lindsey Bratcher
Applicant ID	
Company Name	Payette County
Recipient Address	Payette County 1130 3rd Ave N Payette, ID 83661
Phone	(208) 642-6000
Email	LBratcher@PayetteCounty.org
Amount Requested	$ 1,567,166.97
Status	Submitted
Funded	☐

Application Title: Payette County SWST Hut/NuAcres Hut project

Applicant Information

The CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and overall well-being.

Question 1: Contact information of applicant:

a. Name	Lindsey Bratcher
b. Title/Position	County Clerk
c. Mailing Address	1130 3rd Ave N, Payette ID 83661
d. Email Address	LBratcher@Payettecounty.org
e. Phone Number	208-642-6000

Question 2: List the cities/communities where the project(s) will take place.

Underserved rural portions of Southwest Payette County, Northwest Canyon County, including the unincorporated area of Nu Acres.

Question 3: Name and title of designated grant administrator:

a. Provide the name and title of the designated grant administrator.	Lindsey Bratcher, County Clerk
b. Provide the email address of the designated grant administrator.	LBratcher@Payettecounty.org
c. Provide the phone number of the designated grant administrator.	208-642-6000

Project Requirements

Question 4: Does your project meet the CARES Act Criteria?

Yes.

Question 5: Do you understand that the State of Idaho will not provide funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

Yes.
We understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

Scored Criteria

Question 6: Project overview,

This area, primarily serving a portion of Southwest Payette County and a small area of Northwest Canyon County, is unincorporated and underserved. The existing copper cable transmission media is old and in need of replacement. This project plan will replace the copper cable with state-of-the-art fiber optic cable and Gigabit Passive Optical Network (GPON) electronics. This will provide the answer to requirements of the CARES Act Broadband Grant fund by providing the necessary bandwidth up to 1000 Mbps (1Gig) to allow for distance learning, telework, telehealth, and public safety. Additional strains have been put on the communications network with COVID-19 and infrastructure must be improved to allow the existing needs and future requirements to be fulfilled.

This increased bandwidth is needed to create educational opportunities for kids at home and in school, including video conferencing and educational applications.

It will provide faster access to telehealth. Especially in rural areas, where people must travel long distances to get to their doctors, specialists, or a hospital. Telemedicine is critical for medical needs in the future.

Telework capability for those who either choose to work from home or are forced to work from home due to emergency public health situations. Video conferencing is the new norm and virtual private networks (VPNs) provide the security and the capacity needed to transact business; teleworking is made possible with fiber.

Public safety is provided by allowing customers to do everything that they need to do from the safety of their homes and not need to go to a public setting to share someone’s network during a pandemic.

These services will be provided by Farmers Mutual Telephone Company (FMTC), a cooperative in Fruitland Idaho. FMTC has been investing in its service area and is installing the latest technology to provide the next generation of services for its customers since 1908. These upgrades take planning and years to implement. This project builds off middle mile fiber that was installed in past years to now allow the distribution fiber to be installed to all the homes. FMTC hired an engineering firm, Vantage Point Solutions, to design the fiber optic projects that have been built and this is the next phase of that implementation. This single project that has two segments extending fiber 24.39 miles in this rural area, going down county roads and driveways. It will upgrade service to 129 residences that are currently underserved.

Economic development/smart communities are created with fiber-based broadband networks. These next generation networks improve communities and allow for people and businesses to perform daily activities without the frustrations of connectivity issues. Any type of communications can be delivered over fiber.

As critical infrastructure, fiber helps communities see immediate benefits. Previous fiber builds in the City of Fruitland Idaho which were funded by working with local banks, have resulted in Fruitland, Idaho being designated and certified as a "Smart Rural Community" by the National Telephone Cooperative Association. This is a national certification that has been realized by both private and cooperative telephone companies across the United States that have put forth the effort to provide up to gigabit speeds in their serving areas. At this time, FMTC is the only community in Idaho to have received that designation and shows a proven track record, proving that FMTC has the dedication to provide the latest state of the art telecommunications infrastructure and services. This broadband project will meet the demands of the increased usage of the network that has been created by the pandemic.

Scope of work: Strategically located remote Central office huts will contain the state-of-the-art fiber optic GPON electronics and fiber distribution panels that will provide light to the fiber optic cable that will be placed along all roads and locations in the serving area. The fiber is the best choice for ensuring that a network being built now will be capable of satisfying user demand into the future. Fiber anticipates future demands and allows for services that will remain affordable and efficient for years to come. It is durable, scalable, easier to update, and less costly to maintain. Once fiber is installed, network upgrades cost less than those for other broadband technologies. Due to previously implemented fiber optic middle mile transport projects, the transport fiber to feed the remote central office huts are already in place and connected to the main FMTC central office located in Fruitland, Idaho. The necessary fiber optic GPON electronics and fiber distribution panels and distribution fiber cables will be installed with this project.

Question 7: Economic Development,

When put in place, this fiber optic infrastructure will serve to draw interest from both residences and businesses. Many people are looking to find that "Place in the country" where they can get away from it all but still be able to perform their job functions remotely via the same or better access than they have in the office. Many businesses are rethinking their physical infrastructure, realizing that the "work from home" concept has merit, and will benefit the employer as well as the employee.

Distance from medical facilities, can be a problem for people in rural areas if it were not for the fact that telehealth capability is becoming more prevalent. And with the availability of fiber optic transport at gigabit speeds, it becomes a reality.

During the peak of the pandemic, FMTC customers that were served by fiber optics had access to speeds up to 1000Mbps (1Gig) at affordable prices and did not have any issues with connectivity. The areas that FMTC had older copper facilities, were the areas that customers could not upgrade to the requested faster speeds. This project is intended to replace the old copper with new state of the art fiber optic cable and GPON electronics to allow any speed requested to be delivered to all customers in the service area.

Question 8: Cares Act Criteria,

With regards to public safety, there is a large agricultural seed processing facility in this Southwestern Payette County/Northwestern Canyon County area that does business internationally, with buildings and property spread over a large acreage. To keep their fire insurance rating low, they have worked with both Payette and Washington County to establish a fire station near the facility which is also capable of providing coverage to homes in the surrounding area. The Sheriff's office also has the ability of using the facility as a remote emergency office. Having the most modern telecommunications available is a big plus for public safety in the area. Although there are no current anchor institutions in this service area, the prospect of having fiber optic fed internet capability has been proven to be a draw for those types of facilities. There are several other agriculture-based production businesses that will benefit from the increased capability of fiber optics, and the establishment of these public safety facilities.

The potential of video conferencing using gigabit speed internet over fiber optics really covers many aspects of the Cares Act Criteria, including telehealth, work from home, and student access to resources at all levels.

FMTC connects the remote central office huts back to the main central office in Fruitland with diverse routes and middle mile fiber. These fiber optic links have the additional capacity for future growth by simply upgrading the electronics on each end there by future proofing the ability for FMTC to be able to meet the bandwidth demands into the future. FMTC also has invested in 3 connections to the internet backbone thereby reducing the potential of any one link negatively affecting service quality. FMTC continually evaluates the capabilities of all electronics and monitors the capacity of all fiber links for capacity.

Question 9: Population,

This project will deliver broadband infrastructure to a rural Idaho population of less than 500 people and 129 homes in this rural area. Without projects like this, these rural Payette and Canyon County residents will never get the opportunity to experience the same types of service that others do in the bigger cities.

Question 10: Cost Effective infrastructure,

This area will be served utilizing fiber optic broadband infrastructure with vastly improved broadband speed capability, as opposed to the current outdated copper-based system. Lower cost telephone service can be achieved by using Voice over Internet Protocol (VoIP) over the top of the fiber optic-based internet. The cost effectiveness of a fiber-based network will be realized over a large amount of years. Fiber optics cables have been in the ground since the early 90's and the only thing that needs to be updated is the electronics on each end when capacity limits are reached. No more

investing in the cable with the huge costs of installation.

Additional information

11. There are no match funds at this time and this project would have to be financed by FMTC through lending agencies without grant funds. If the project were to run over the total estimate, FMTC would cover those costs.

12. The total estimated cost of this project is $1,567,166.97.

13. The number of households/Locations served by this project will be 129.

14. The average cost per household of new broadband service is $12,148.58.

15. The maximum broadband speed provided by this project will be 1000 Mbps (1Gig). The beauty of having fiber optics as a medium is that future upgrades to faster speeds are obtainable by simply changing out electronics in the Central office and the optical network Termination (ONT) located at the customer premise.

16. Yes,

    a. All permits, permissions, and zoning requirements have been obtained for the project to allow it to be completed and paid for by December 31, 2021. Permits were required for Payette County Road and Bridge, State of Idaho, Bureau of Reclamation, Canyon County, and Highway District #1 of the Idaho Transportation Department.

17. Farmers Mutual Telephone Company in Fruitland, Idaho will be providing the service and will have ownership of the broadband infrastructure.

18. The project will be administered by Farmers Mutual Telephone Company who will provide regular reporting and progress reports to the grant administrator, Lindsey Bratcher at Payette County. FMTC will provide to Payette County a list of materials to be used in the Fiber Optic construction process, including handholes, conduit, and fiber optic cable. FMTC will keep the county informed of the construction process with documentation so that the county can audit the process. FMTC will use an engineering firm, Vantage Point Solutions, to inspect and review all invoices from the contractor awarded the project. Vantage Point Solutions was the firm that engineered the project and designed the plans.

19. No,

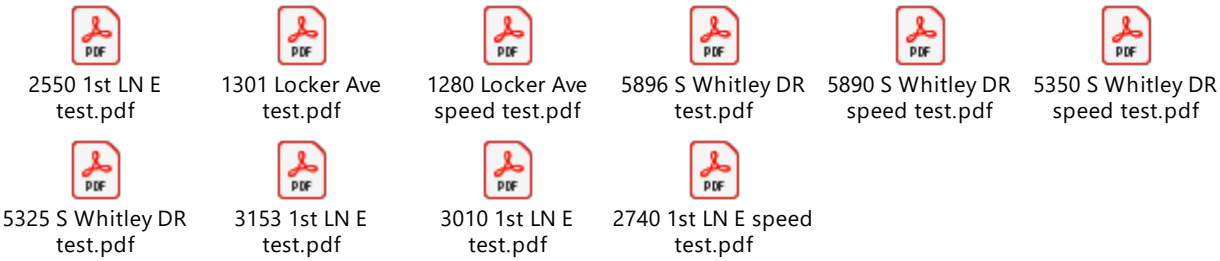
    This area has not received any CAFII, RDOF, or USDA Reconnect funds for building out fiber optic networks. FMTC has gone to traditional lending agencies to take out loans for the fiber optic builds it has undertaken in its incumbent local exchange carrier service area. If awarded, these grant funds, they will allow for FMTC to build out fiber optics in its service area at a faster rate and allow for these subscribers to take advantage of faster broadband. FMTC is a recipient of universal service funds which help support communication companies in high-cost areas of the United States. If Payette County and FMTC are not successful in this grant application, FMTC will apply for future grant opportunities through the State of Idaho and Federal government opportunities.

20. No

21. FMTC participates in the FCC Low Income Lifeline and Emergency Broadband Benefit Program to allow those families that are struggling to get assistance to pay for their communications needs through the state and federal government funds. FMTC is a cooperative that is owned by its members and works to provide the best service at the lowest price. FMTC supports its community and has been in service since 1908.

    The materials for this project are available and ready to install. Permitting has been completed and the contractor's area available, so the requirement to have the project completed no later than December 31, 2021, will not be an issue.

22. Speed tests, List of 10 locations that are not able to get the designed speeds over a single copper pair.



Required Attachments:

23. Project Area Identification Documentation:

    The Fiber Optic Project is described below in two segments.

    The SWST Hut segment covers an area south of Fruitland Idaho, beginning just south of Interstate 84 on Highway 95, encompassing all house and business locations on the East side of Highway 95 East to an area approximately 660 feet east of Elmore Road and south to SW 3rd Ave on the East and side of Highway 95. The project also covers all locations on highway 95 south of Interstate 84 and West of Highway 95 to the Snake River south to SW 3rd Ave on the west side of Highway 95.

    The NuAcres Hut segment covers an area South of Interstate 84 and on both the East and West of Hwy 95 on Beverly Ave, Hwy 26, Anderson Corner Rd., Locker Ave, Locker Rd. The westerly boundary is the Snake River, and the easterly boundary is 1st Lane East.

    - Census block data is included in the map KMZ file.

- The number of households/Locations served by this project will be 129.
- Broadband speeds for these areas were designed for 10 x 1 Mbps over a single pair. New technology has allowed bonding of pairs to achieve 25 x 3 Mbps when the cable was new. Now the speeds have deteriorated as the cable has aged. Some customers are not able to achieve the speed that were originally designed.
- The new fiber optic deployment for the area will be able to support 1000 Mbps (1Gig) speeds.
- The Current Technology servicing this area is DSL and bonded VDSL.
- The proposed fiber optic deployment will use GPON technology.

Fiber project.kmz

pdf of overall service area.pdf

pdf of SWST Hut project boundary.pc

pdf of NuAcres project boundary.pc

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Delta James
Applicant ID	APP-004819
Company Name	McCall
Recipient Address	McCall 216 E Park St McCall, ID 83638
Phone	(208) 634-7142
Email	djames@mccall.id.us
Amount Requested	$893,460.00
Status	Submitted
Funded	☐

Application Title: RAPID McCall Broadband - Opportunity Zone Loop

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

City of McCall, 216 E. Park Street, McCall, ID 83638
Chris Curtin, Information Systems Manager, ccurtin@mccall.id.us, 208.315.3576

Question: List the cities/communities in the census blocks where the project(s) will take place.

McCall, Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Delta James, Economic Development Planner, City of McCall
djames@mccall.id.us
208.634.3504

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

In recognition that reliable and adequate internet access is a critical element of local economic vitality and to meet the current and future internet access needs of businesses and residents, three years ago the City of McCall launched an open access fiber utility project called RAPID with a goal to; increase access to internet, speed, expandability and reliability while establishing local control over essential critical infrastructure and lowering the monthly total cost of access for community members. Tele-Medicine, telework, online learning and more are all easily accessible with available bandwidth. The recent COVID-19 crisis has highlighted the need for better access to internet services, especially in underserved rural areas.

The City of McCall's RAPID Broadband - Opportunity Zone Loop project will complete a backbone fiber loop to not only enhance the capability of public facilities like the McCall Airport and St. Luke's McCall, local businesses and schools with network speeds of up to 1G symmetrical, it will also provide free public WiFi access points and opportunity to connect fiber to the home at request within a designated Opportunity Zone. The City will operate the infrastructure but will not act as an ISP (internet service provider) nor compete with private sector providers to deliver services across the network. Separating the infrastructure in the ground (fiber) from the connectivity offered by internet services providers (ISP's) is the next wave for internet access in small and rural communities such as McCall and Ammon, Idaho.

The City of McCall is shovel-ready and has materials in the pipeline to implement this key phase of RAPID Broadband implementation by December 31, 2021. This project and the scope of the grant request will:

1. Install ~4 miles of buried 3x1.25 conduit and pull and connect 96 strand fiber within the conduit to close a backbone loop for the deployment of RAPID along a key north-south collector roadway serving the McCall Airport, St. Luke's McCall Hospital, public parks, the city's largest industrial area, and businesses and neighborhoods along the way.

2. Install four Wireless Access Portals (WAP) to provide free public use wireless service at key public service locations along the route, including: McCall Municipal Airport, Deihnard Ln Pocket Park, Rotary Park, and St. Luke's McCall Hospital, for members of the public to access distance learning, telework, telemedicine or other crucial needs.

3. Install one back-up generator along the loop to ensure system function and continuity in the event of power loss.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

McCall is a rural town of 2991 full time residents (2010 Census), but often experiences an influx of visitors that can swell the area population to 30,000+. This causes an overload of internet circuits (most cellular traffic uses terrestrial based transport for backhaul) making cellular and internet connectivity nearly unusable and slowing business transactions. As demonstrated by the National Telecommunications and Information Administration (NTIA), the entire McCall area has reported fixed broadband speeds below 25/3 Mbps on average. By providing reliable upload/download speeds at a minimum of 500 Mbps and up to 1G symmetrical in a looped system with generator power back up and free public WiFi access, McCall RAPID will provide faster and more reliable fiber infrastructure to spur business development, facilitate communications for critical public services, and allow students to learn and workers to earn within west McCall, a designated Opportunity Zone.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

The McCall RAPID Broadband - Opportunity Zone Loop project will help meet the COVID 19 public health emergency and mitigate the impacts of similar future disruptions by improving telework capability for employees of critical services such as the McCall Municipal Airport, providing free WiFi access at four key public service locations such as the St. Luke's McCall Hospital and Rotary Park, and will enhance communications capability for public safety by installing back-up electrical generation and completing a fiber loop that serves the McCall Fire Department, McCall Police Department, and the residents and businesses within the McCall area designated Opportunity Zone.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

McCall's RAPID broadband effort will establish a community owned open-access fiber network that ensures that homes and businesses are attached to open fiber, across which private service providers can compete to sell internet connectivity services. Community owned fiber resources are more cost effective because they allow multiple private providers to utilize one physical fiber network, thereby reducing overhead costs and encouraging fair market competition among private providers for customers. Like other essential utilities such as water and electricity, McCall's RAPID Broadband fiber infrastructure can be connected to every property and will allow customers to join if they choose. The RAPID network will operate under an open access policy that allows any private internet service provider to access the infrastructure and offer its services at reasonable, nondiscriminatory prices, creating a competitive market for retail services to flourish.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

No project match is proposed for this specific construction phase of the McCall RAPID Broadband network, however the City of McCall has, to date, invested approximately $850,000 of local funding to plan and install RAPID broadband infrastructure in other areas of the community. Additionally, City of McCall staff will provide in-kind project, financial, and grants management professional services.

Question: Estimated total project cost?

893460.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

N/A

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

N/A

Question: What is the maximum broadband speed that will be provided by the project?

McCall RAPID is capable of providing network speeds of up to 1G symmetrical to public facilities and to private properties at the request of residents and businesses.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

All permits, permissions and zoning requirements necessary for the project are obtainable in order for this project to be completed by December 31, 2021. The majority of the project will install fiber infrastructure within City road rights of way so no permits are needed. Approximately 300 feet of the fiber loop will be installed within the Idaho Transportation Department right of way of State Highway 55 (W. Lake Street). Conduit for this section already exists at the bridge crossing the Payette River outlet (Lardo Bridge) and permitting for the short remainder section along SH55 is in process.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

The City of McCall will own and operate the RAPID Broadband fiber infrastructure but will not act as an ISP (internet service provider), nor compete with private sector providers to deliver services across the network. The RAPID network will operate under an open access policy that allows any private internet service provider to access the infrastructure and offer its services that customers can access if they choose.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

Overall project management will be coordinated by Chris Curtin, City of McCall Information Systems Manager. Chris has successfully implemented previous phases of the RAPID project including procurement, construction management and systems inspection. Delta James, AICP, McCall Economic Development Planner, will provide grant administration. Delta is a certified CDBG Administrator and has extensive experience managing federal and state grant awards and reporting requirements. Accounting will be conducted by the City Treasurer and the project will be included in the City's annual audit process.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

In 2020, the City of McCall received an Idaho CARES Act Broadband grant that included a portion of the RAPID McCall Broadband - Opportunity Zone Loop along Deinhard and Boydstun Streets that is the subject of this grant proposal. Unfortunately, that portion of the 2020 funded project was not able to be completed within the tight timeline because COVID 19 unexpectedly impacted the contractor's ability to secure adequate staffing and materials. With materials already secured and ready to be deployed upon grant award, the City of McCall is confident that the Opportunity Zone Loop can be completed by December 31, 2021.

Question: Include any other relevant information as to why your project should be considered for funding.

A resilient and robust broadband infrastructure is essential not just for the economic health of a community, but also in meeting medical and educational needs. The ongoing pandemic proves that broadband is critical in times of crisis. Therefore, the City of McCall supports the use of

CARES Act funds to improve, extend and add resiliency to Idaho's broadband infrastructure and is ready and able to complete a meaningful, coordinated and substantial project within the tight CARES Act expenditure time frame, if given the opportunity.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

2021 speed tests from McCall community members.pdf (7/13/2021 1:20 PM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

McCall Opp Zone Loop Shape Files.zip (7/13/2021 10:15 AM)
McCall Opp Zone Loop - Project Area Map.pdf (7/13/2021 10:14 AM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget - McCall RAPID Opp Zone Loop.pdf (7/13/2021 10:16 AM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

2021 Broadband - project schedule - McCall Opp Zone Loop.pdf (7/13/2021 10:18 AM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

McCall CARES Act Certification - signed.pdf (7/13/2021 10:19 AM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

Letter of Support CARES Broadband Grant - McCall Parks Dept.pdf (7/13/2021 12:57 PM)
Chamber LTR of Support for City Broadband Grant.pdf (7/13/2021 10:31 AM)
WCMEDC McCall Broadband Letter of Support.pdf (7/13/2021 10:31 AM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

St Lukes McCall ltr of support City of McCall 07 12 2021.pdf (7/13/2021 10:25 AM)
MYL Letter.pdf (7/13/2021 10:24 AM)

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

RAPID Broadband Master Plan.pdf (7/13/2021 10:22 AM)

Question: Any applicable Site Plans, studies, or photographs.

NTIA Indicators of Broadband Need.pdf (7/13/2021 1:15 PM)

Idaho CARES Act Broadband Grant – Project Schedule

RAPID McCall - Public Facilities and Local Govt

Activity	Responsible Party	Start Date	End Date
Conduit Installation	Idaho Site Prep	8-15-2021	10-15-2021
Prepare bid docs	City	8-1-2021	8-15-2021
Contractor selection	City	8-15-2021	9-1-2021
Fiber Pull	Contractor TBD	9-1-2021	10-15-2021
Fiber Splice	Contractor TBD	10-1-2021	12-15-2021
Public Wifi Install	Contractor TBD	10-1-2021	10-30-2021
Project close out	City	12-15-2021	12-30-2021

City of McCall
INFORMATION SYSTEMS
www.mccall.id.us

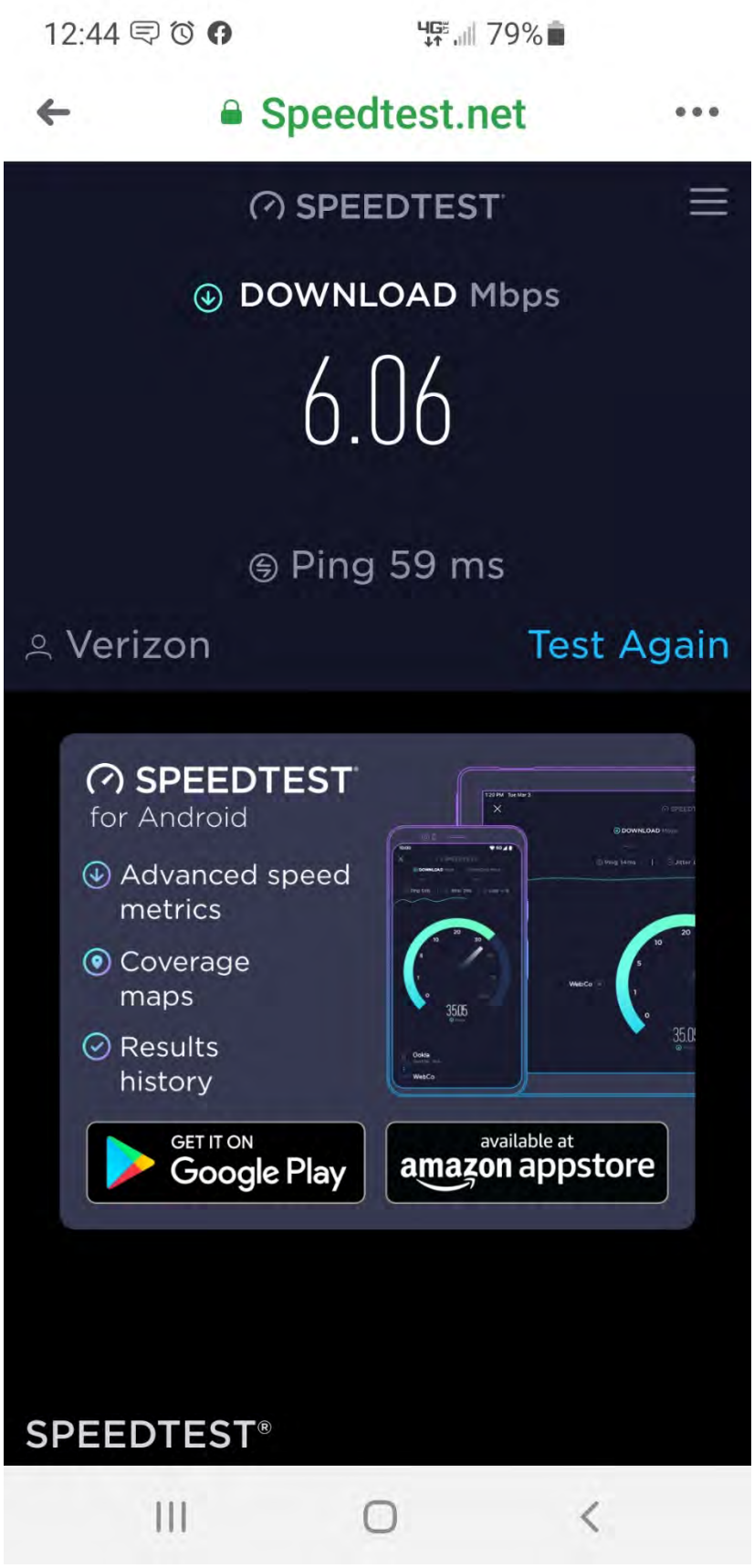
216 East Park Street
McCall, Idaho 83638

Phone 208-634-8547
Main 208-634-7142
Fax 208-634-3038

CARES grant 2021 representative speed tests from community members:

Name	Speeds	Provider	Date Taken
Julie Heidemann	6.06	Verizon	7-11-21
Andrea R	115.37	Sparklight	7-11-21
Emily Sehloff	21.93	Sparklight	7-10-21
Steve Johnson	210.88	Sparklight	7-10-21
ReNae Bradfield	58.80	Sparklight	7-9-21
Ross van Ravenhorst	5.89	Ziply Fiber	7-9-21
Abby Andrew	7.90	Ziply Fiber	7-9-21
Becky Thomas	22.63	Sparklight	7-9-21
Shanti Wintergate	1.08	Ziply Fiber	7-9-21
Debra Bailey	229.13	Sparklight	7-9-21

All speed tests were conducted utilizing Oolka – documentation of each speed test follows.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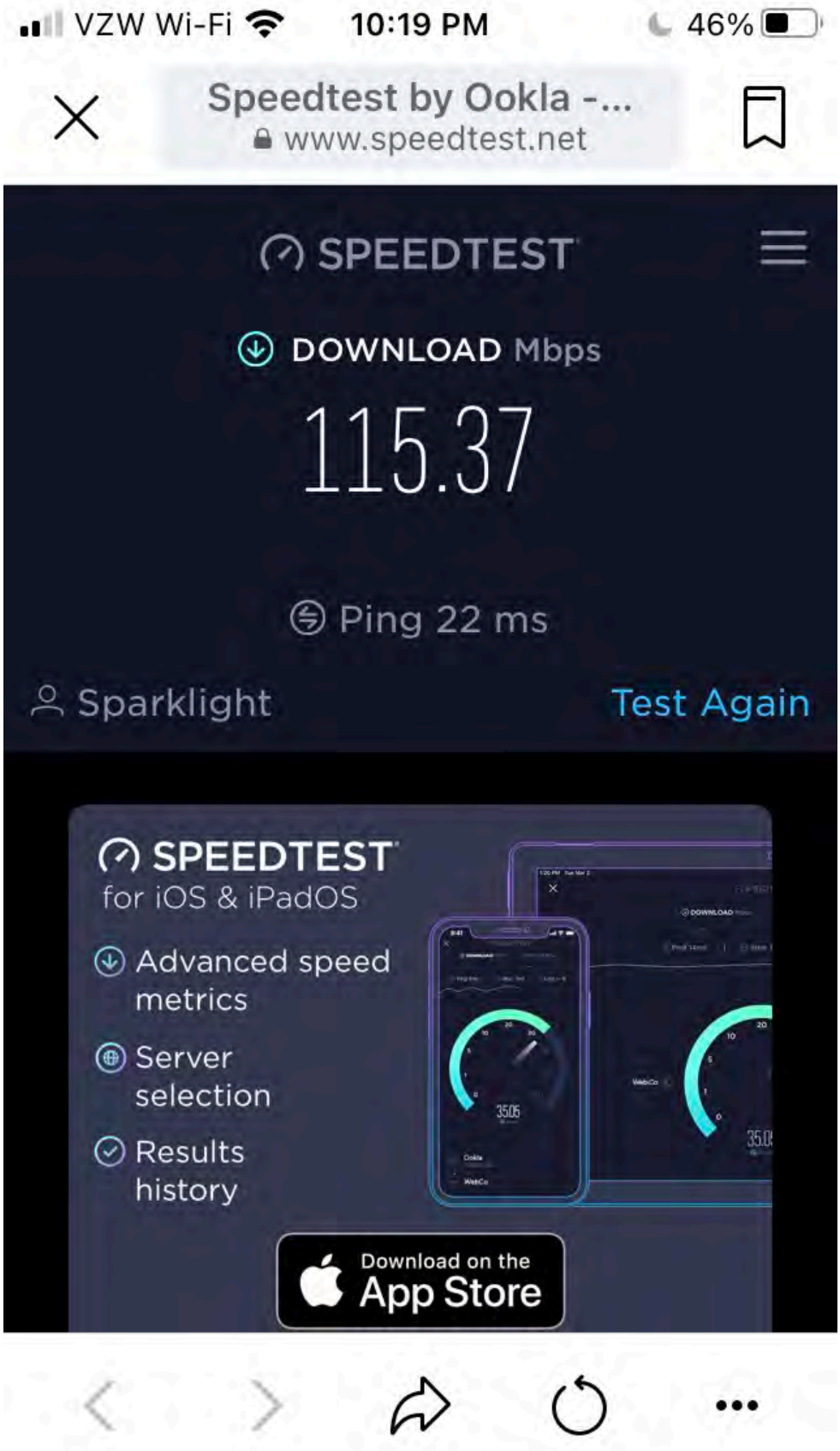
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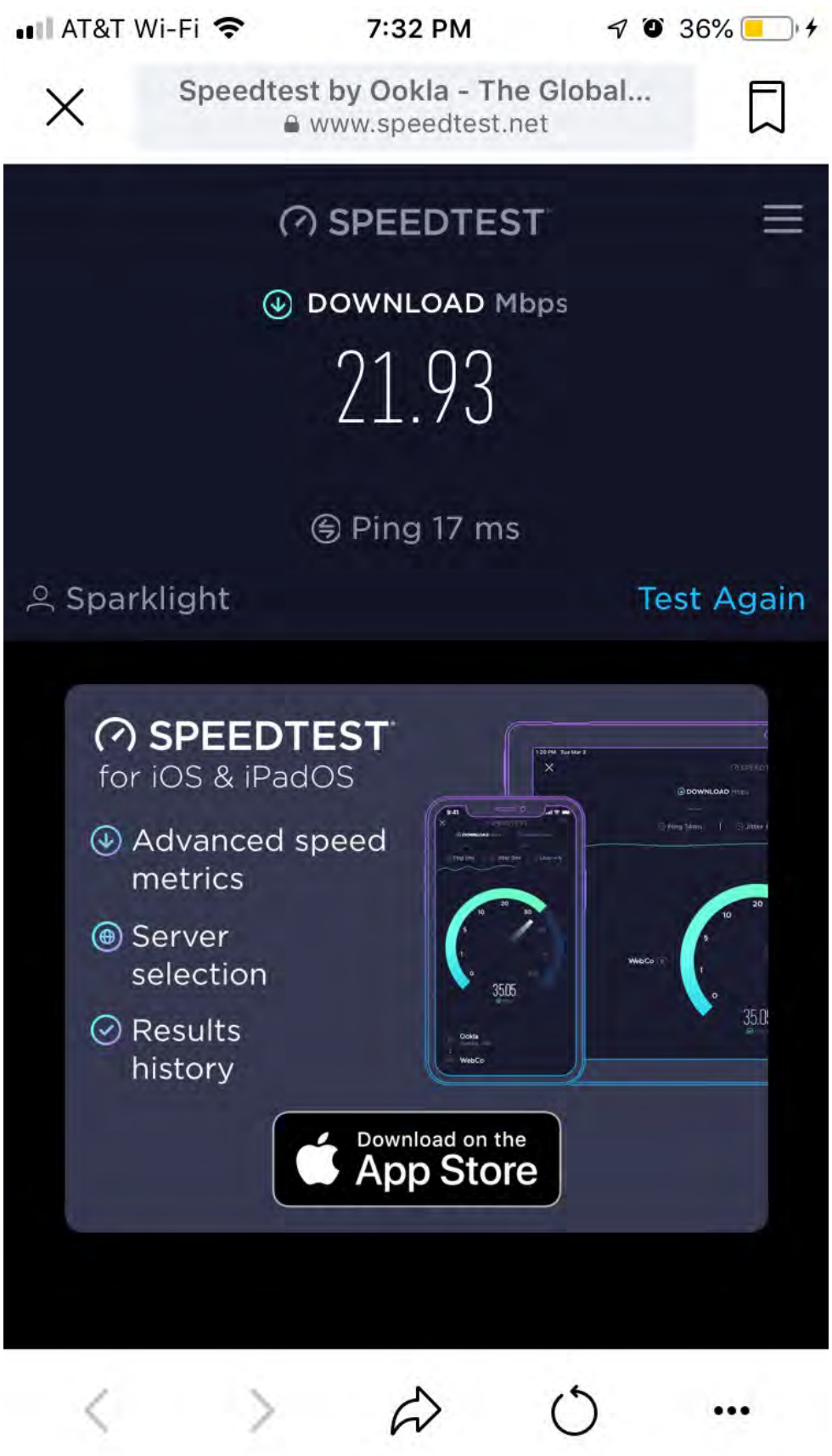
for iOS & iPadOS
Advanced speed metrics
Server selection
Results history
Download on the App Store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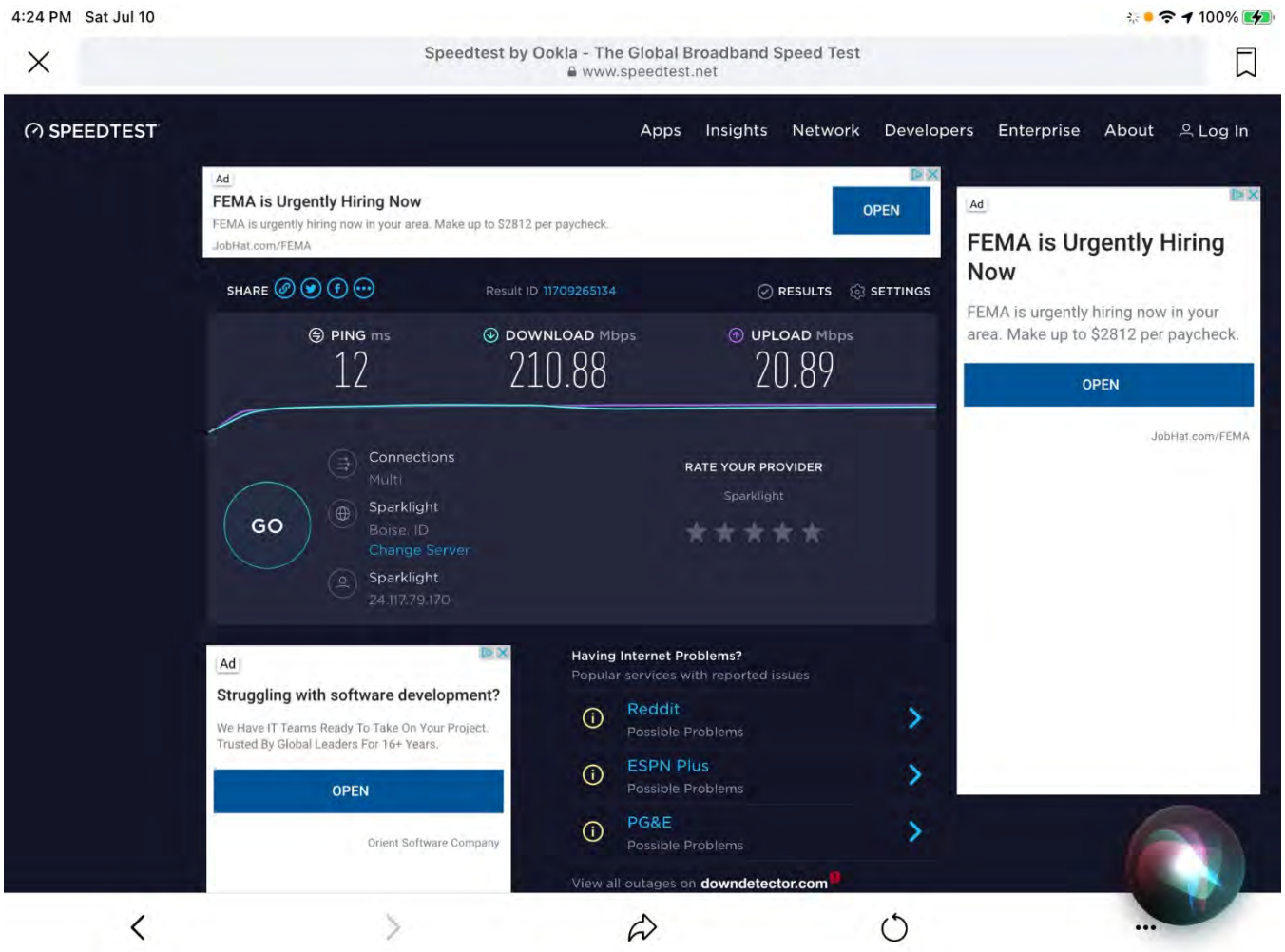
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SPEEDTEST
Apps
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Network
Developers
Enterprise
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FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
JobHat.com/FEMA
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RATE YOUR PROVIDER
Sparklight
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Struggling with software development?
We Have IT Teams Ready To Take On Your Project. Trusted By Global Leaders For 16+ Years.
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Having Internet Problems?
Popular services with reported issues
Reddit
Possible Problems
ESPN Plus
Possible Problems
PG&E
Possible Problems
View all outages on downdetector.com
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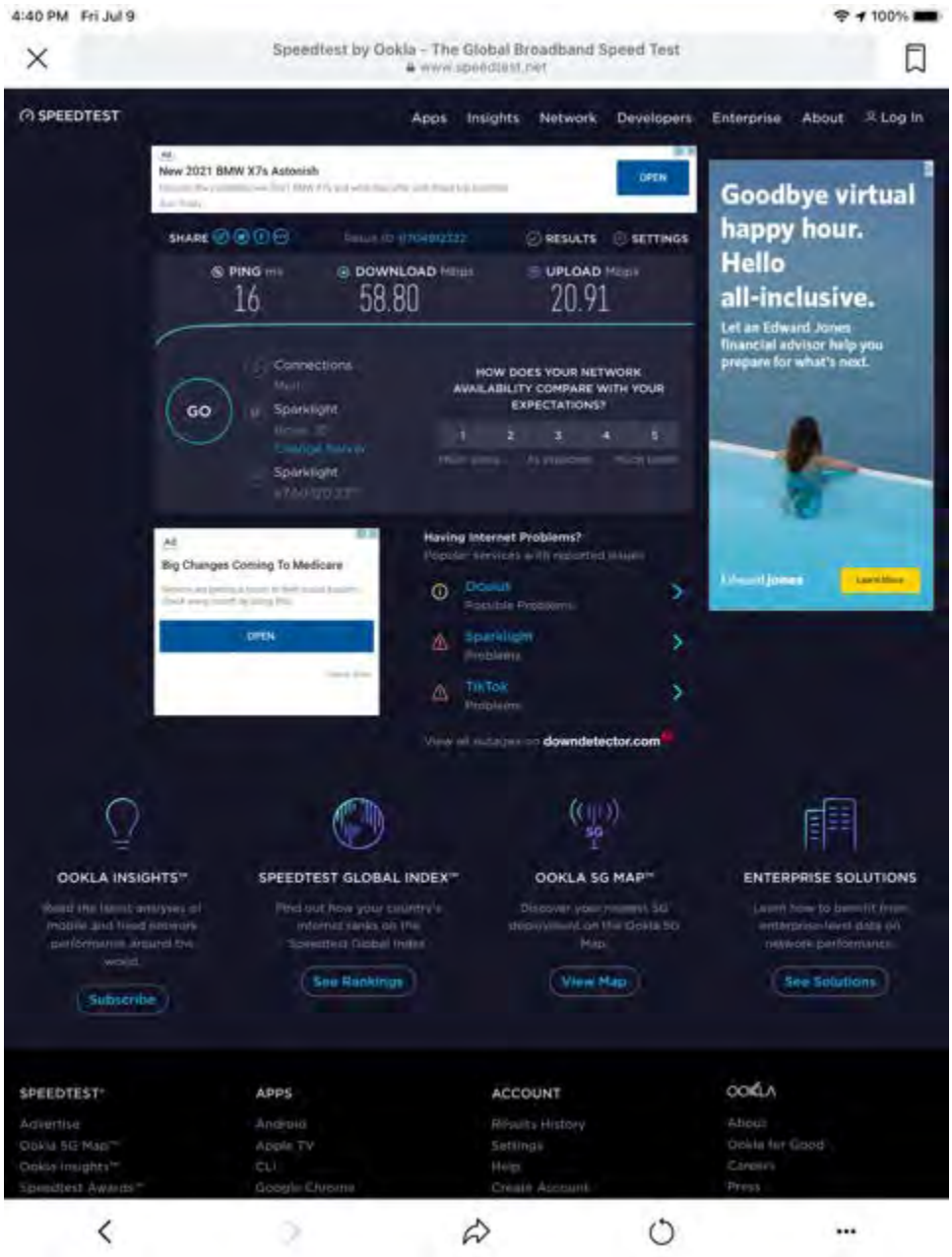
FEMA is Urgently Hiring Now
FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
OPEN
JobHat.com/FEMA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DOWNLOAD Mbps
58.80
UPLOAD Mbps
20.91
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Sparklight
Sparklight
HOW DOES YOUR NETWORK AVAILABILITY COMPARE WITH YOUR EXPECTATIONS?
1
2
3
4
5
Goodbye virtual happy hour. Hello all-inclusive.
Let an Edward Jones financial advisor help you prepare for what's next.
Edward Jones
Learn More
Ad
Big Changes Coming To Medicare
OPEN
Having Internet Problems?
Popular services with reported issues
Ookla
Possible Problems
Sparklight
Problems
TikTok
Problems
View all outages on downdetector.com
OOKLA INSIGHTS™
Read the latest analyses of mobile and fixed network performance around the world.
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Find out how your country's internet ranks on the Speedtest Global Index
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Discover your nearest 5G deployment on the Ookla 5G Map
View Map
ENTERPRISE SOLUTIONS
Learn how to benefit from enterprise-level data on network performance
See Solutions
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Advertise
Ookla 5G Map™
Ookla Insights™
Speedtest Awards™
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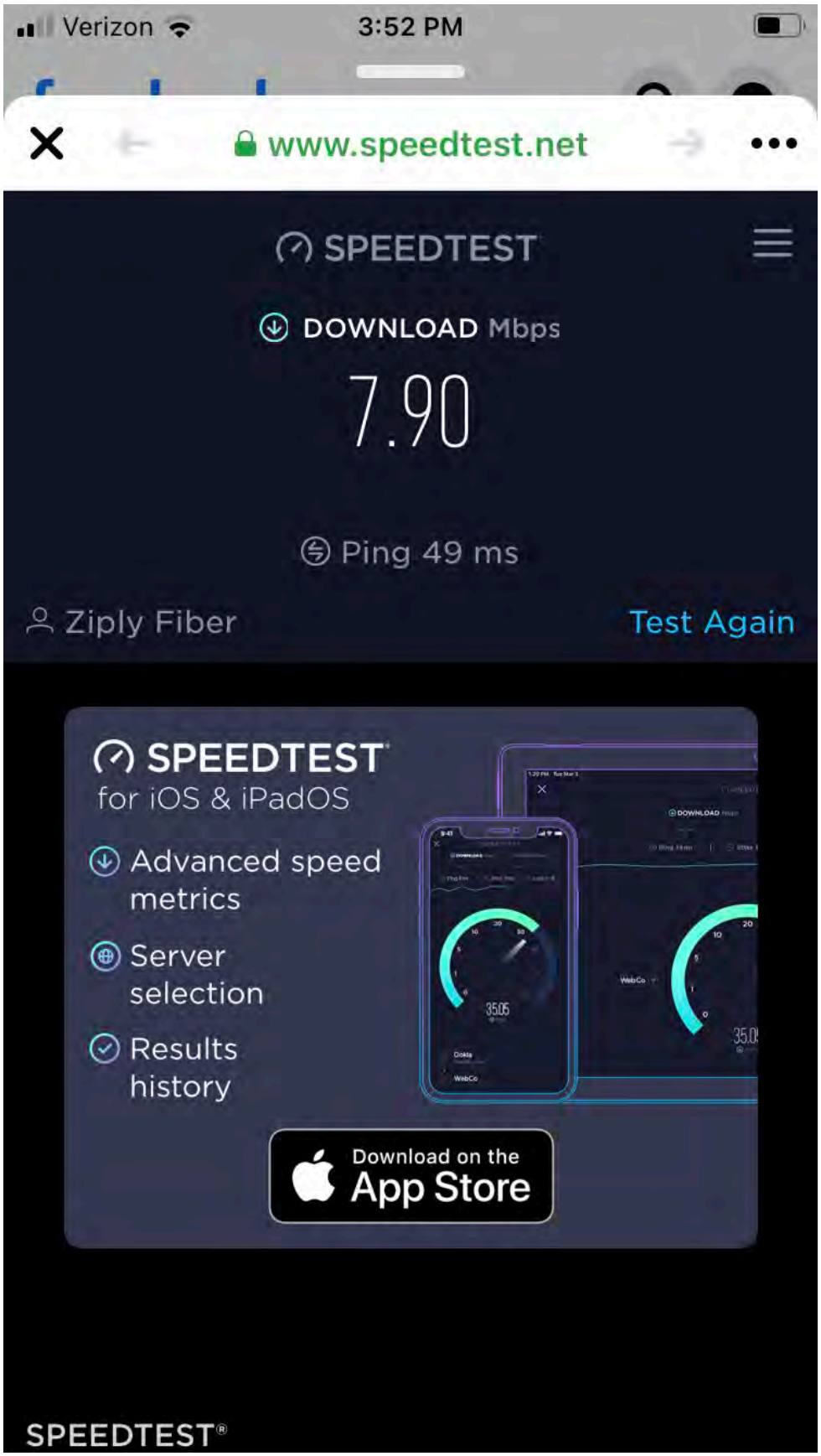
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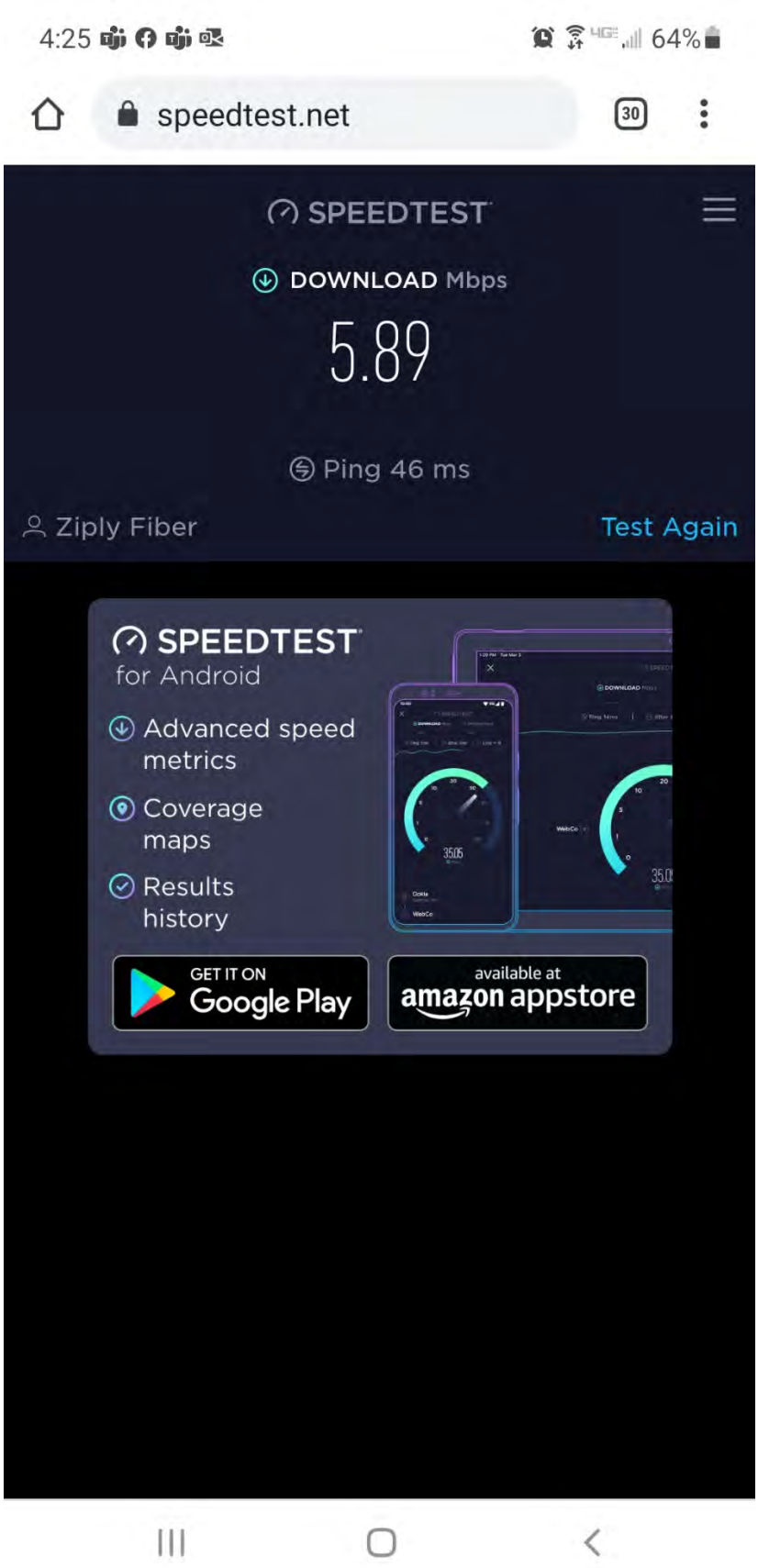
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for Android
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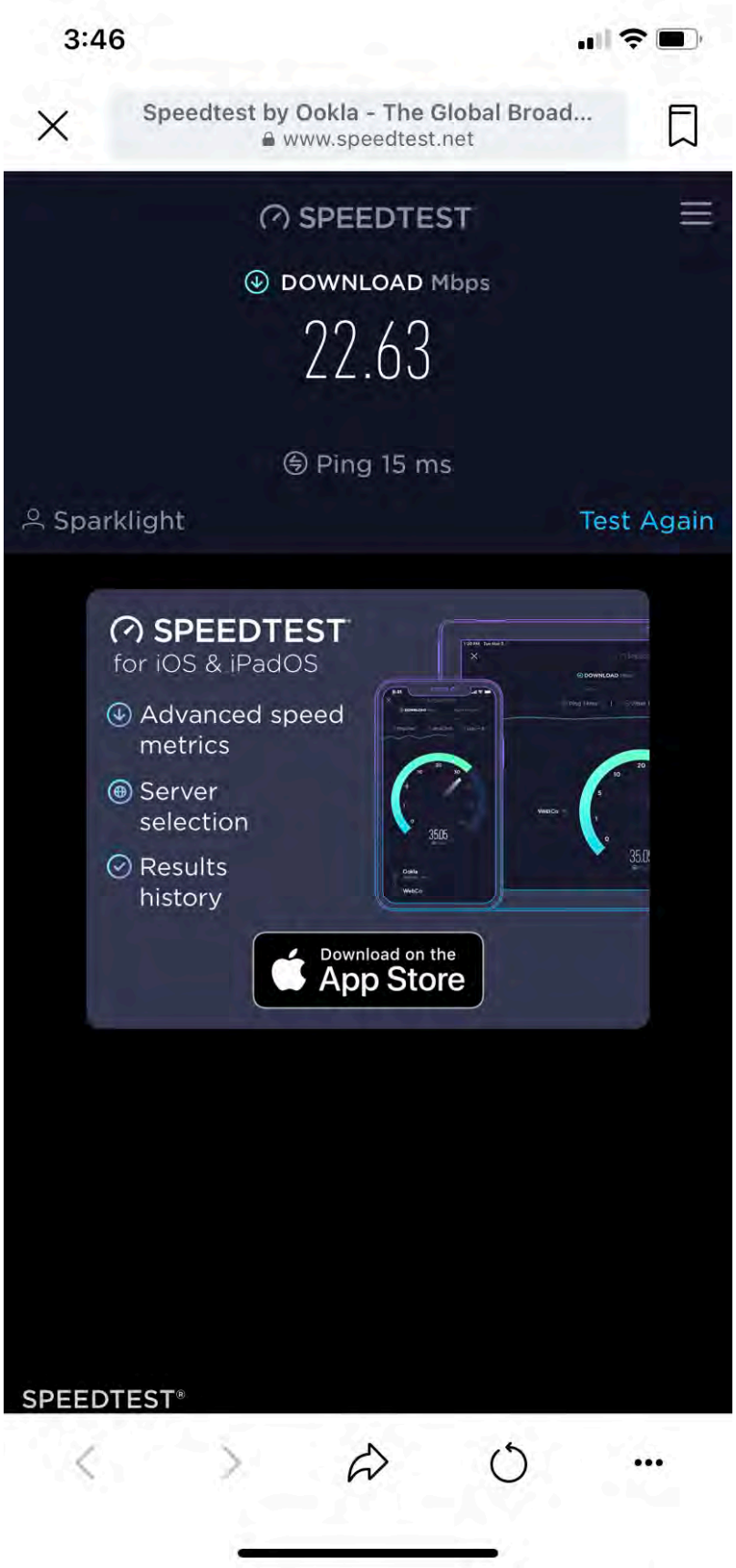
Coverage maps
Results history
GET IT ON
Google Play
available at
amazon appstore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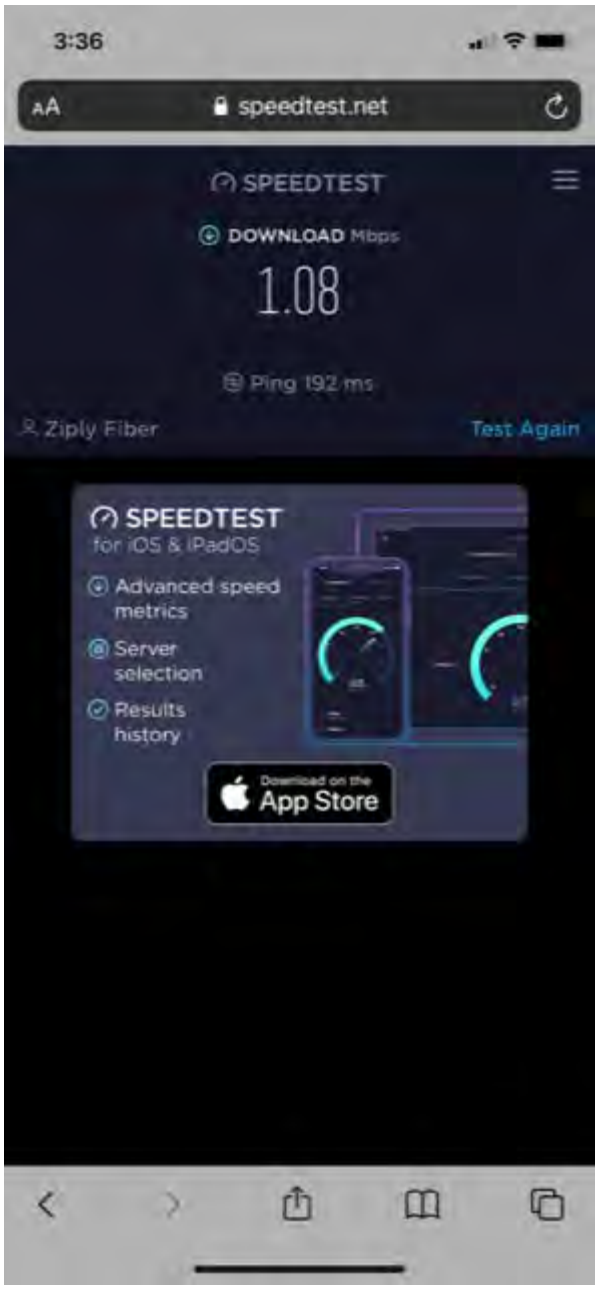
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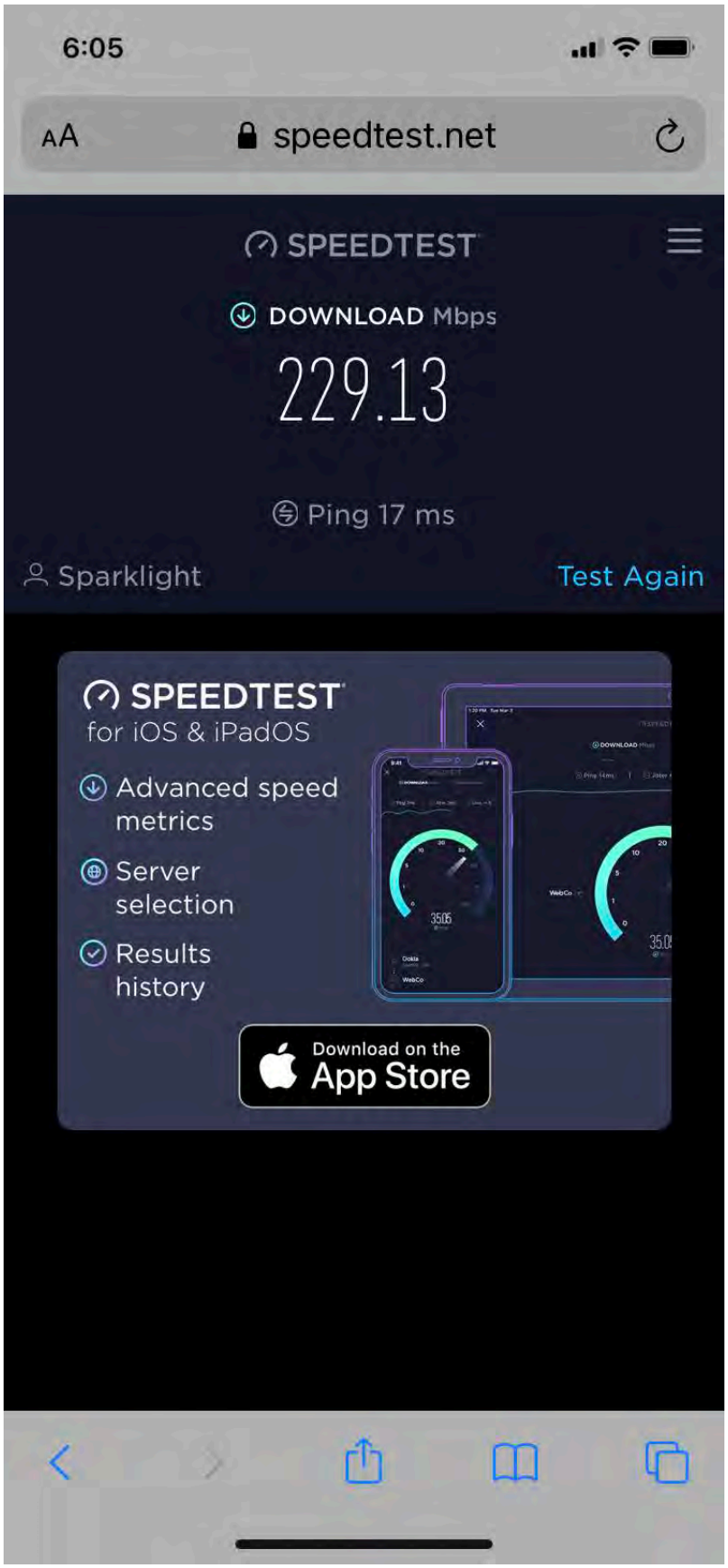
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McCall, Idaho 83638

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Main 208-634-7142
Fax 208-634-3038

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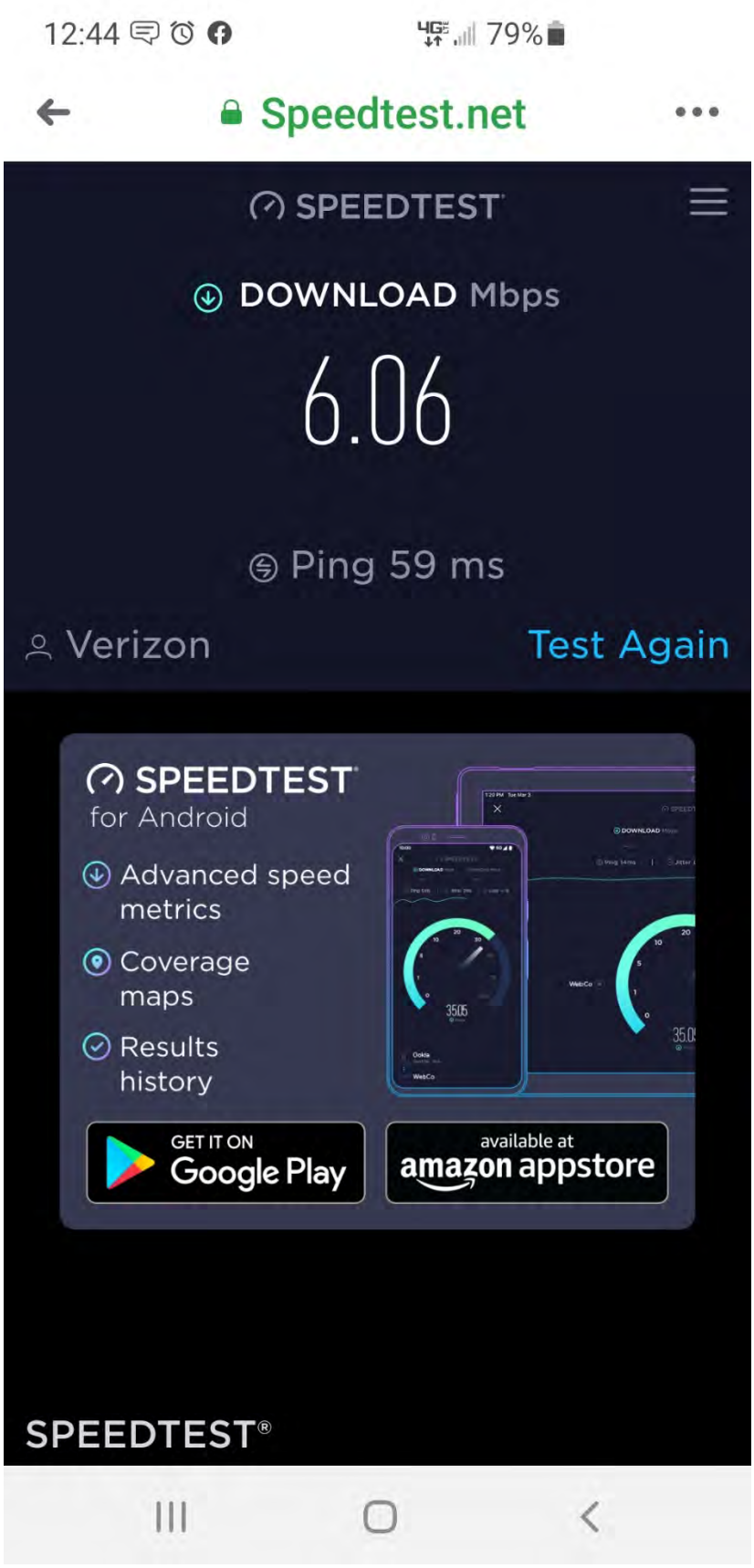
Becky Thomas	22.63	Sparklight	7-9-21
Shanti Wintergate	1.08	Ziply Fiber	7-9-21
Debra Bailey	229.13	Sparklight	7-9-21

All speed tests were conducted utilizing Ookla – documentation of each speed test follows.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79%
Speedtest.net
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DOWNLOAD Mbps
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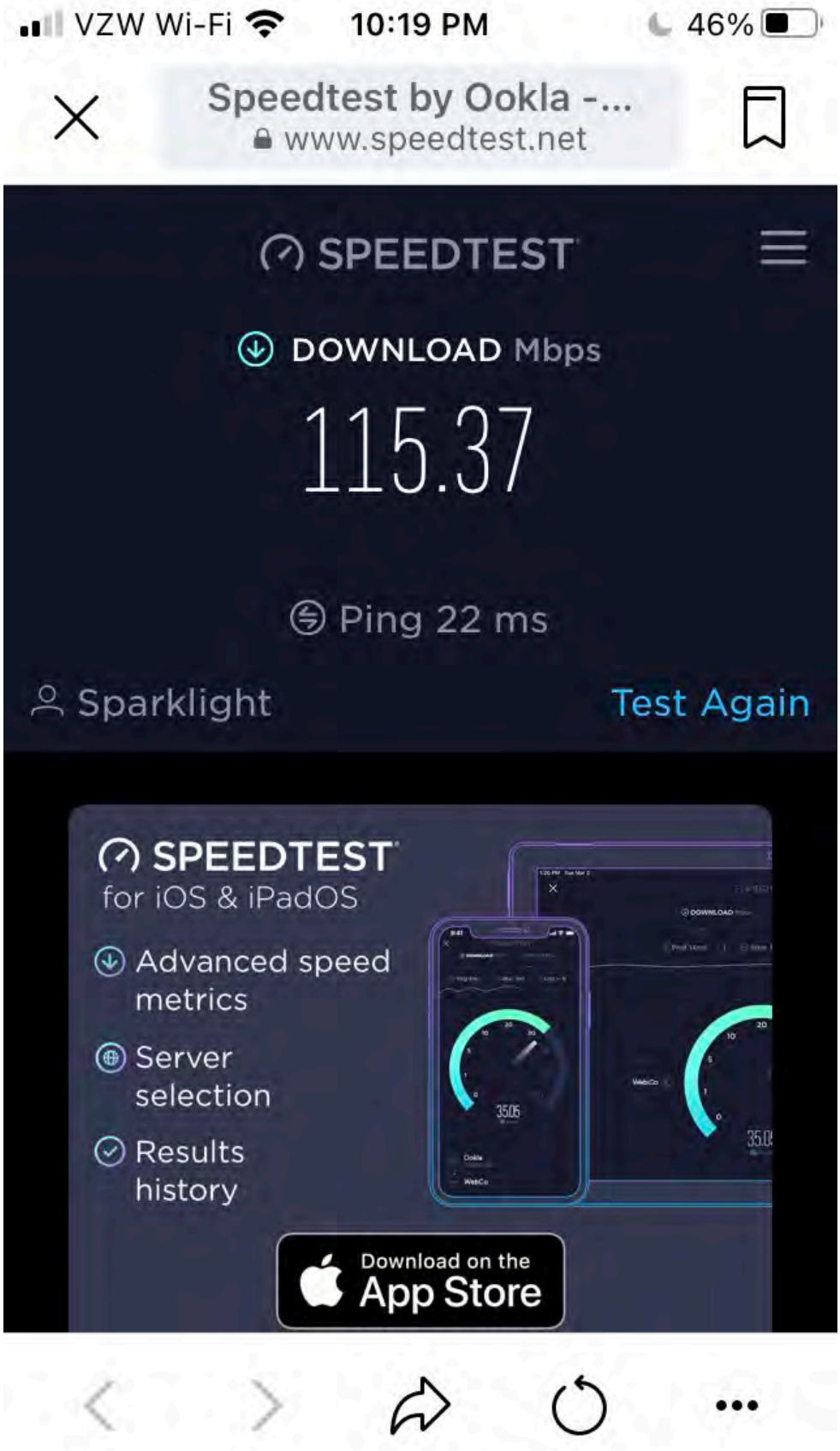
SPEEDTEST
for Android
Advanced speed metrics
Coverage maps
Results history
GET IT ON Google Play
available at amazon appstore
SPEEDTEST®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Speedtest by Ookla -...
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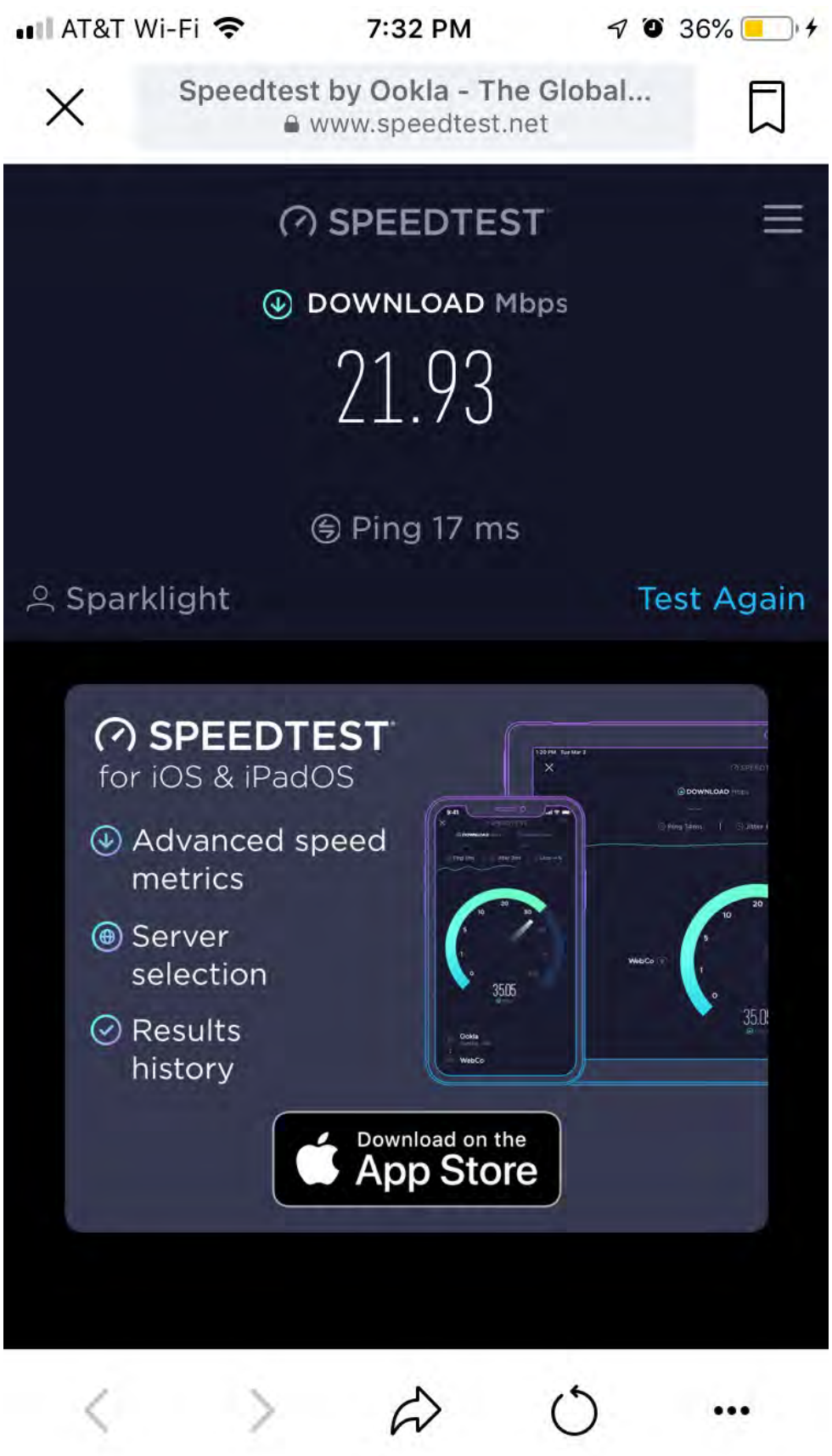
for iOS & iPadOS
Advanced speed metrics
Server selection
Results history
Download on the App Store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Speedtest by Ookla - The Global...
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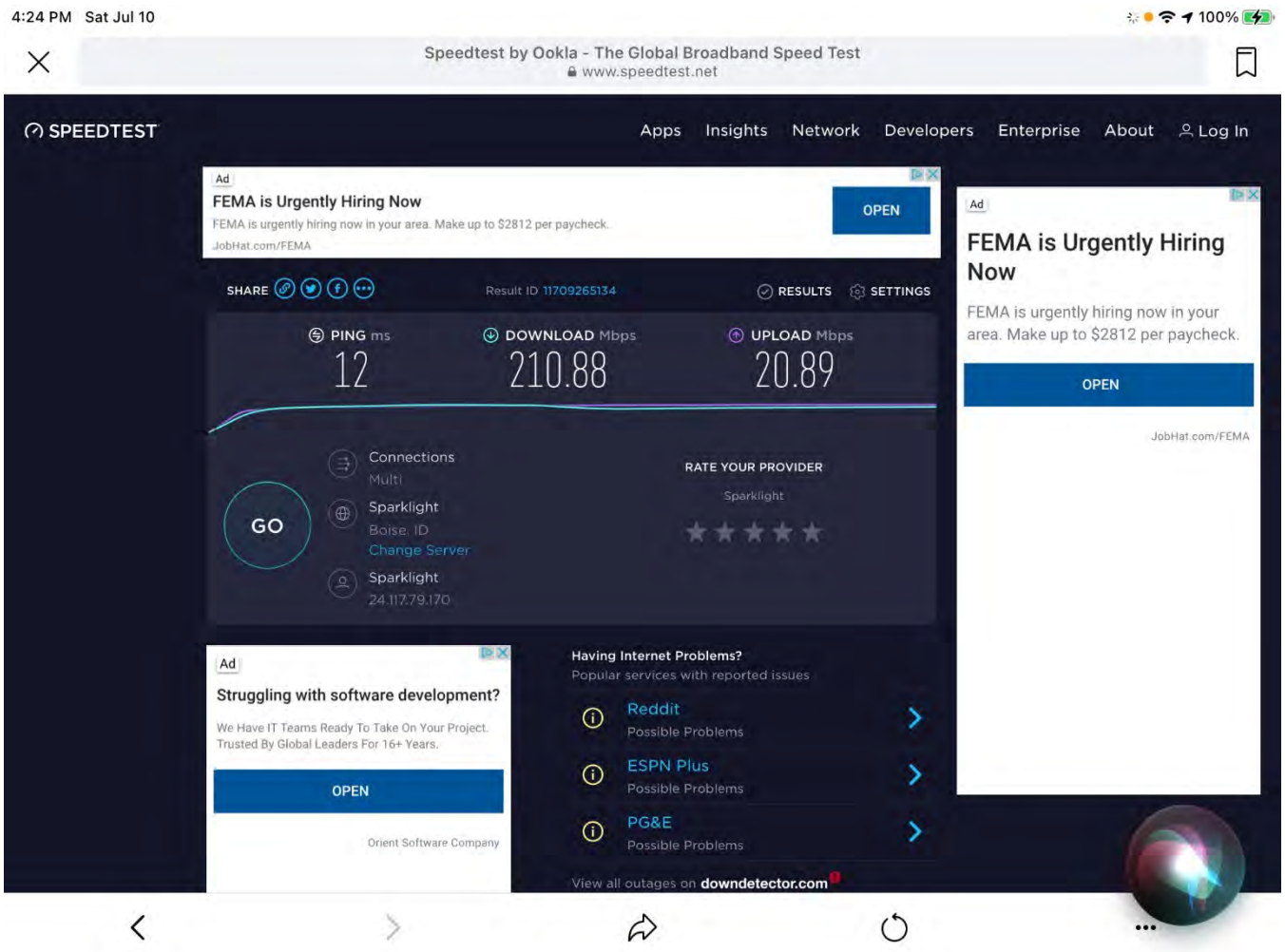
Results history
Download on the App Store


4:24 PM Sat Jul 10
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SPEEDTEST
Apps
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Network
Developers
Enterprise
About
Log In
Ad
FEMA is Urgently Hiring Now
FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
JobHat.com/FEMA
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Change Server
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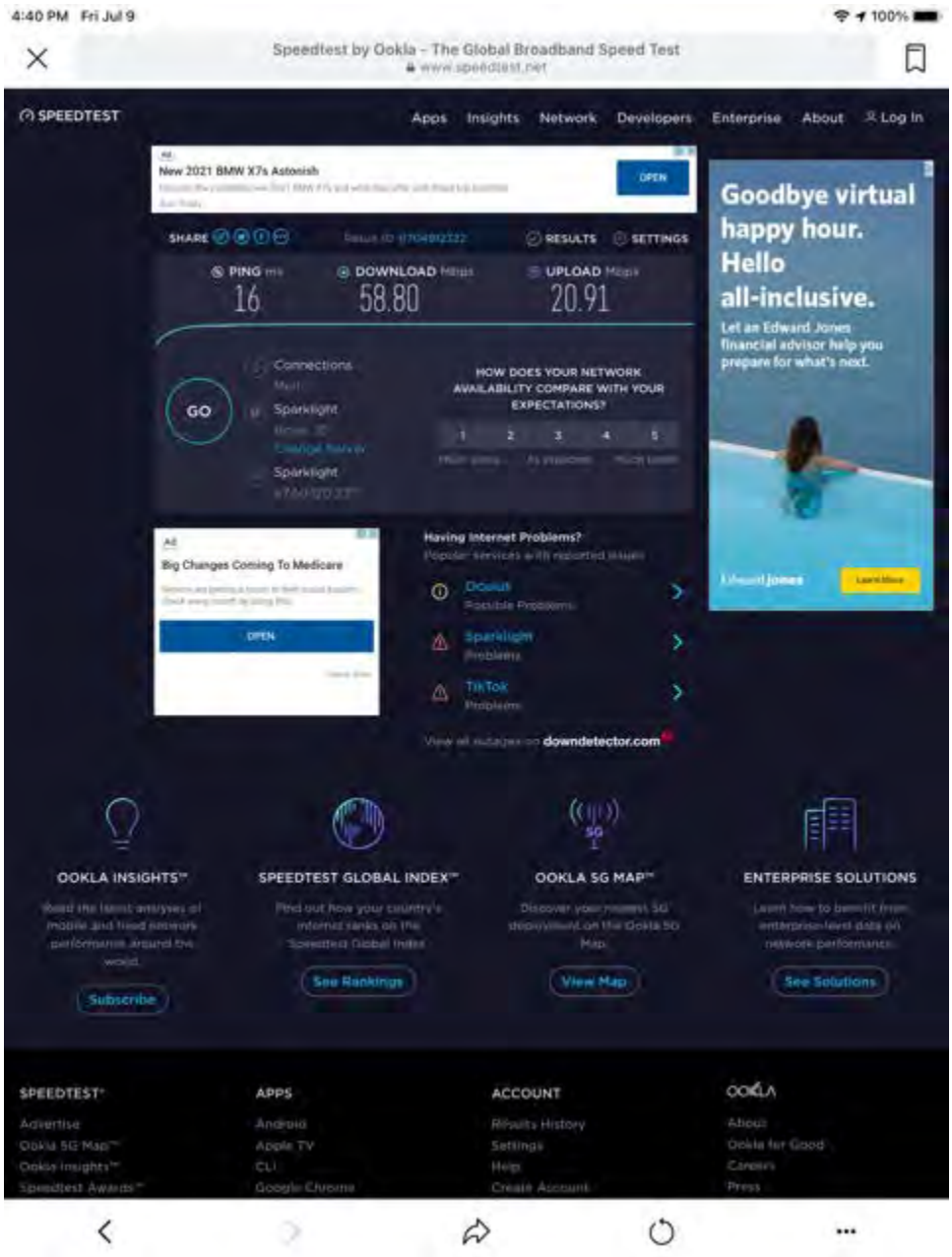
RATE YOUR PROVIDER
Sparklight
Ad
Struggling with software development?
We Have IT Teams Ready To Take On Your Project. Trusted By Global Leaders For 16+ Years.
OPEN
Orient Software Company
Having Internet Problems?
Popular services with reported issues
Reddit
Possible Problems
ESPN Plus
Possible Problems
PG&E
Possible Problems
View all outages on downdetector.com
Ad
FEMA is Urgently Hiring Now
FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
OPEN
JobHat.com/FEMA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SPEEDTEST
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New 2021 BMW X7s Astonish
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SHARE
RESULTS
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PING ms
16
DOWNLOAD Mbps
58.80
UPLOAD Mbps
20.91
GO
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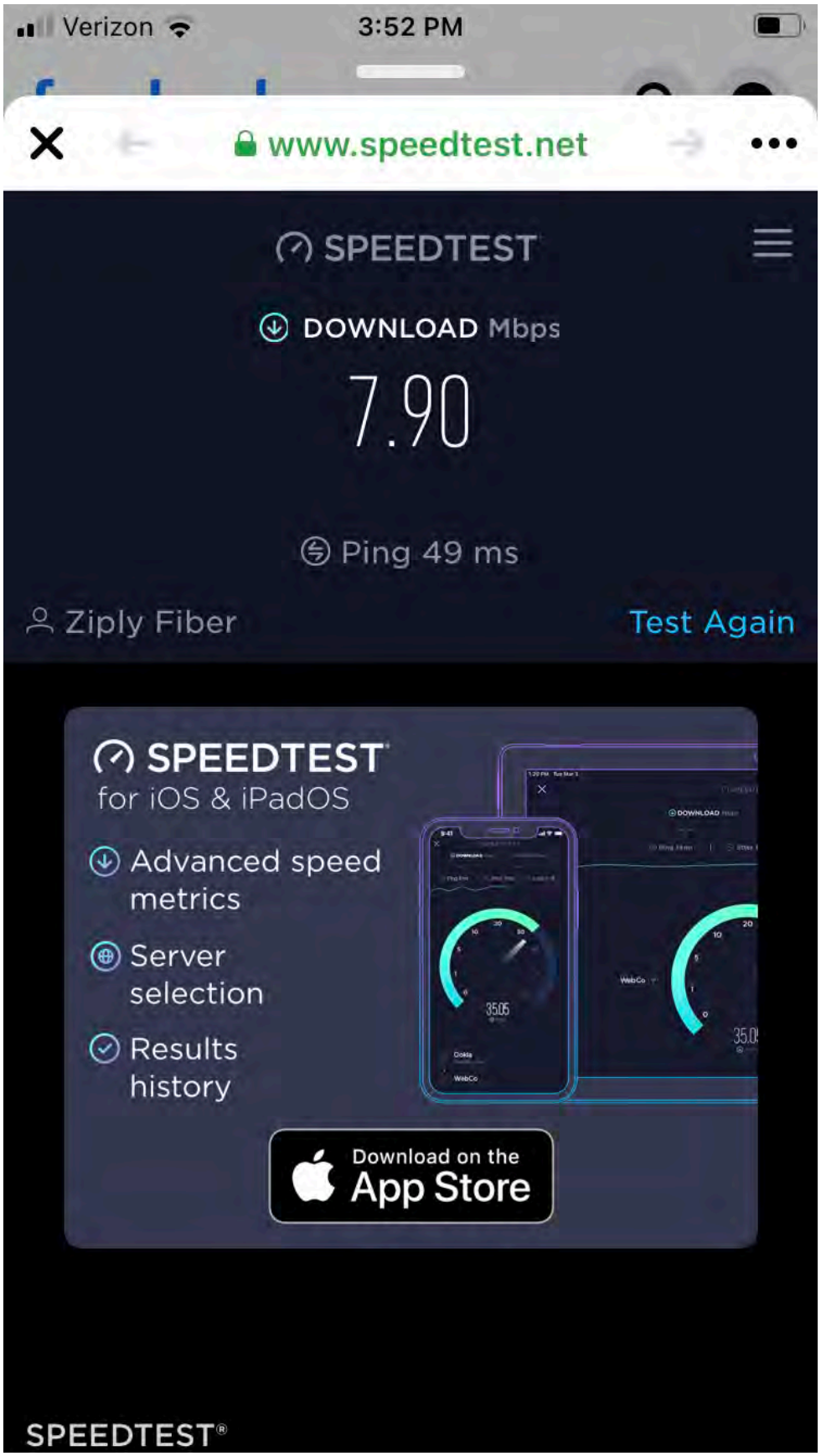
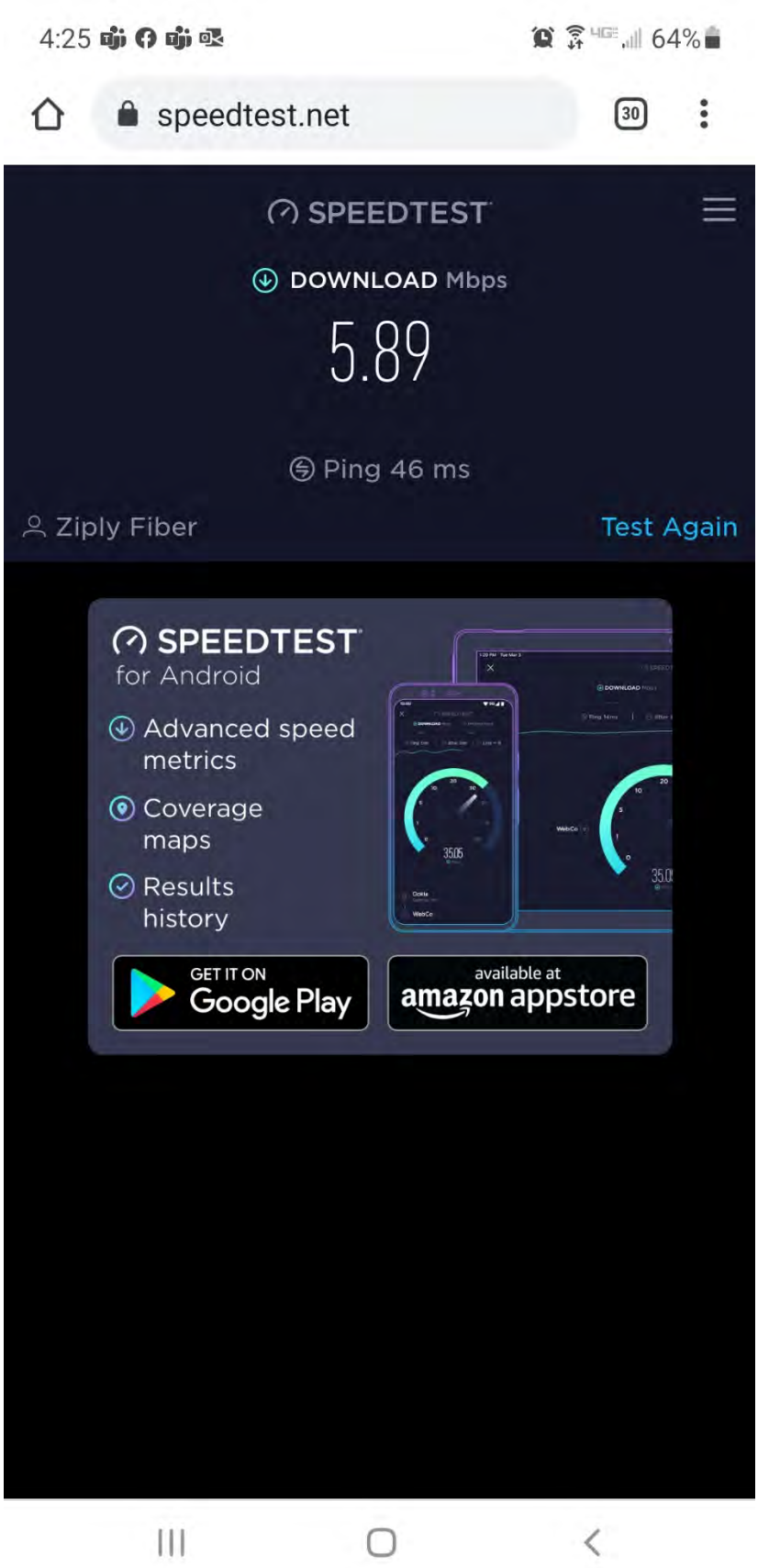
Multi
Sparklight
Sparklight
HOW DOES YOUR NETWORK AVAILABILITY COMPARE WITH YOUR EXPECTATIONS?
1
2
3
4
5
Goodbye virtual happy hour. Hello all-inclusive.
Let an Edward Jones financial advisor help you prepare for what's next.
Edward Jones
Learn More
Ad
Big Changes Coming To Medicare
OPEN
Having Internet Problems?
Popular services with reported issues
Ookla
Possible Problems
Sparklight
Problems
TikTok
Problems
View all outages on downdetector.com
OOKLA INSIGHTS™
Read the latest analyses of mobile and fixed network performance around the world.
Subscribe
SPEEDTEST GLOBAL INDEX™
Find out how your country's internet ranks on the Speedtest Global Index
See Rankings
OOKLA 5G MAP™
Discover your nearest 5G deployment on the Ookla 5G Map
View Map
ENTERPRISE SOLUTIONS
Learn how to benefit from enterprise-level data on network performance
See Solutions
SPEEDTEST®
Advertise
Ookla 5G Map™
Ookla Insights™
Speedtest Awards™
APPS
Android
Apple TV
CLI
Google Chrome
ACCOUNT
Results History
Settings
Help
Create Account
OOKLA
About
Ookla for Good
Careers
Press


Verizon
3:52 PM
www.speedtest.net
SPEEDTEST
DOWNLOAD Mbps
7.90
Ping 49 ms
Ziply Fiber
Test Again
SPEEDTEST
for iOS & iPadOS
Advanced speed metrics
Server selection
Results history
Download on the App Store
SPEEDTEST®


4:25
64%
speedtest.net
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DOWNLOAD Mbps
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Ziply Fiber
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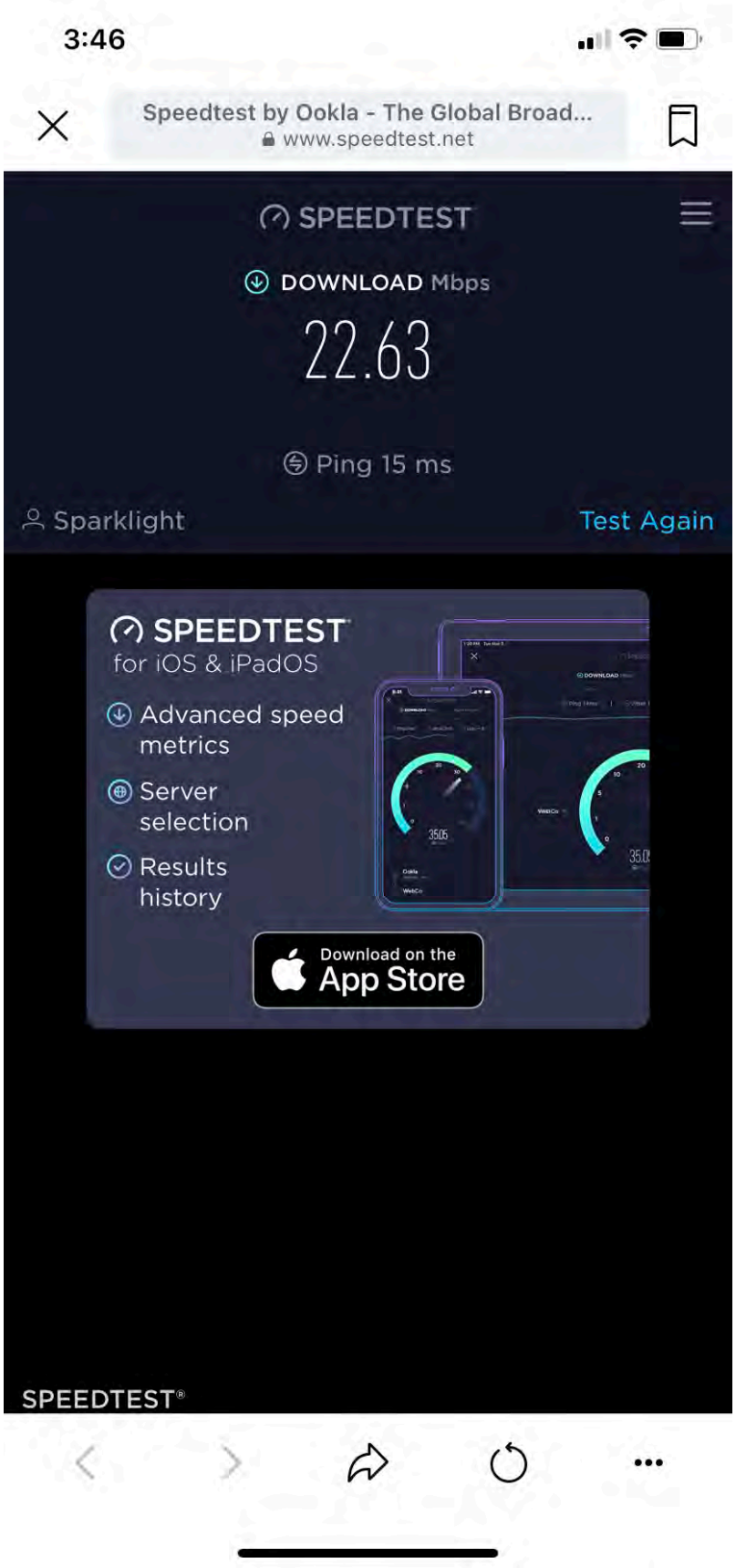
Advanced speed metrics
Coverage maps
Results history
GET IT ON
Google Play
available at
amazon appstore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Speedtest by Ookla - The Global Broad...
www.speedtest.net
SPEEDTEST
DOWNLOAD Mbps
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Ping 15 ms
Sparklight
Test Again
SPEEDTEST
for iOS & iPadOS
Advanced speed metrics
Server selection
Results history
Download on the App Store
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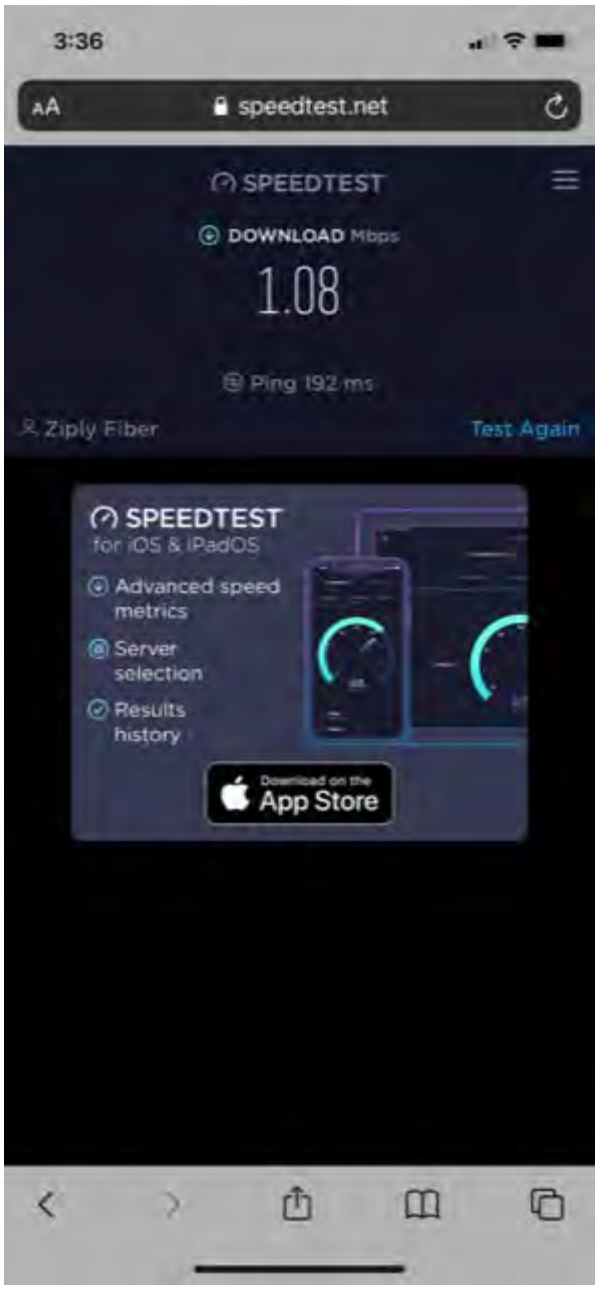
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for iOS & iPadOS
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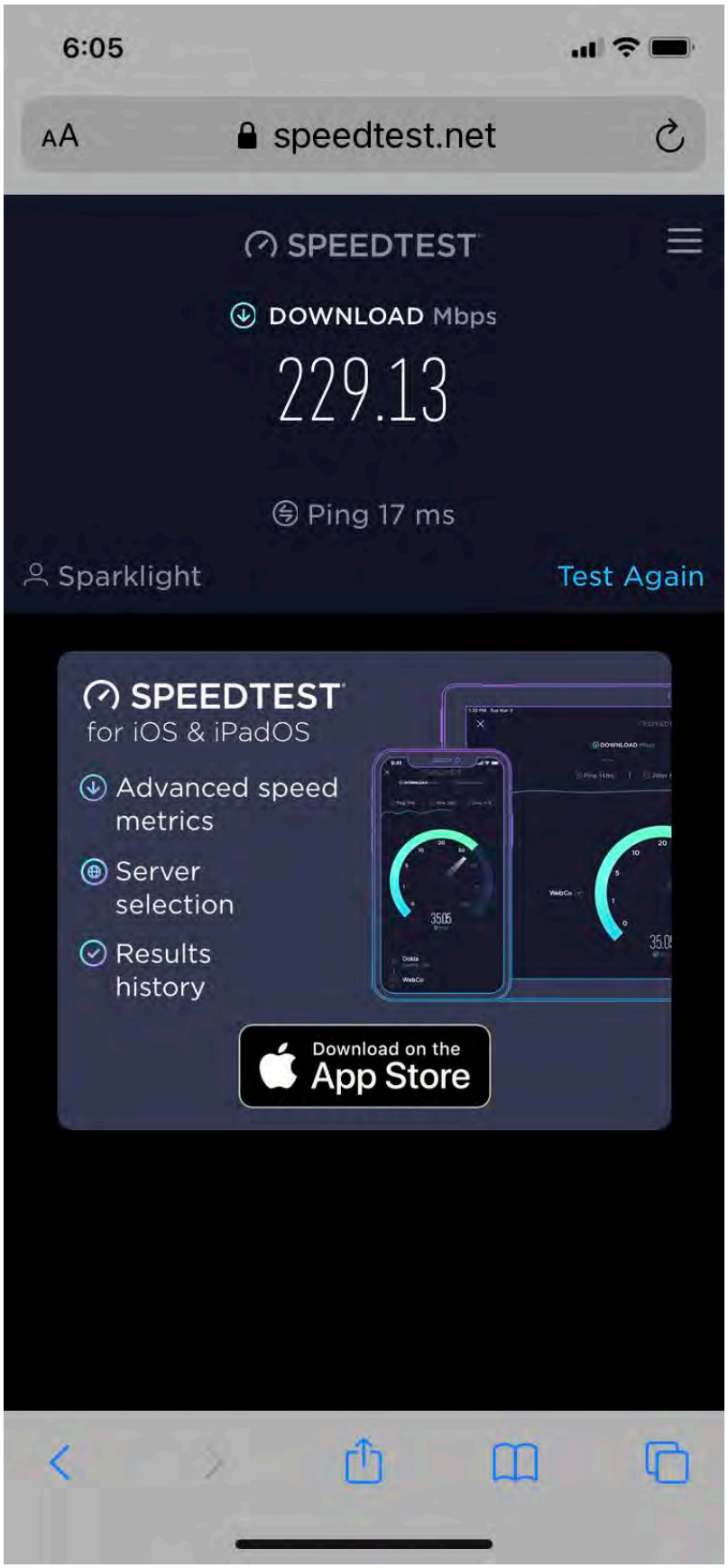
Server selection
Results history
Download on the App Store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DOWNLOAD Mbps
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Sparklight
Test Again
SPEEDTEST
for iOS & iPadOS
Advanced speed metrics
Server selection
Results history
Download on the App Store

RE: Broadband Grant

Dear Director Kealy and Idaho Dept. of Commerce,

I write to you on behalf of the McCall Area Chamber of Commerce and Visitors Bureau (MACCVB) in full support of the City of McCall's grant funding request for Broadband, available through Commerce as part of the CARES Act.

The MACCVB is the concerted voice of local businesses, promoting and protecting their interests as well as the interests of the community at large. We are committed to maintaining a healthy community with a sought-after quality of life featuring year-round recreational opportunities and a thriving economic climate.

With an influx of visitors each week in the summer and winter months, and bandwidth is consistently strained for residences and businesses alike. Moving to a FTTH configuration will allow McCall to add middle mile services relieving some of this pressure so we continue to thrive and operate to the best of our abilities. The following projects being applied for by the City of McCall are shovel ready with planned completion by the Dec. 31 requirement:

- Install conduit route along Deinhard Lane. Fiber pulling and splicing – installation and termination of 96 fiber in existing backbone routes. ~4 miles (Includes public Wi-Fi)
- Beta testing neighborhood – up to 55 homes to show proof of concept for RAPID fiber utility

We ask for strong consideration to fund their application as another great step in the right direction to getting us "up to speed" where we need to be.

Thank you in advance for your consideration.

Sincerely,
Tammy McCloud
President of the McCall Area Chamber of Commerce & Visitors Bureau

P.O. Box 350 | 605 N. 3rd Street | McCall, ID 83638
P: 208.634.7631
info@mccallchamber.org
www.mccallchamber.org

RAPID McCall - Opp Zone Loop

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

City of McCall
PARKS AND RECREATION

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-3006
Main 208-634-7142
Fax 208-634-3038

July 13, 2021
Kurt Wolf
Parks & Recreation Director
Letter of Support

To Whom It May Concern,

The Parks and Recreation Department for the City of McCall has reviewed the plans, scope of work, and narrative for the improvements proposed. The Department is in full support of the CARES Improvement Fund grant application and the project in its entirety.
We recognize the need for this improvement and the need to address free public wireless access in City parks, at the airport, and the Hospital. Additionally, this will help interconnect City facilities benefiting our public and the services we provide to the public. The department agrees that this is needed to increase connectivity in the community and providing free public access will be a benefit to all in the needs of: COVID-19 public health emergency, assisting with or improving telehealth and telework, and public safety. Thank you for considering this application, it has the full support from the City of McCall, Parks and Recreation Department.

Sincerely,

Kurt Wolf
City of McCall
Parks and Recreation Director

City of McCall

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-7142
Fax 208-634-3038

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO
COUNTY OF VALLEY

The undersigned, Robert S. Giles, representing City of McCall, 216 E. Park Street, McCall, Idaho 83638, hereby swear (affirm) that:

1. I am Mayor of City of McCall and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria as follows:
    i. Facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions; and
    ii. Improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions; and
    iii. Enhance communications capability of for public safety and enforcement by local emergency services related to COVID-19.

RAPID, the City of McCall's effort to establish underground fiber as critical infrastructure will, in partnership with private internet service providers, create an open access fiber network for public facilities, business and residential customers that will increase access to high speed internet so that employees, students, healthcare workers and public service officials can telework, distance learn, conduct business and facilitate public safety efforts during emergencies such as the COVID-19 pandemic.

Robert S. Giles
Signature

July 12, 2021
Date

SUBSCRIBED AND SWORN before me on this 12 day of July, 2021

BESSIEJO WAGNER
COMM NO. 52467
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES: JULY 24, 2026

Bessiejo Wagner
Notary Public for IDAHO
Residing at McCall, ID
Commission expires 7/24/24

City of McCall

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-7142
Fax 208-634-3038

State of Idaho Broadband Grant
CARES Act Certification

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MY COMMISSION EXPIRES: JULY 24, 2026

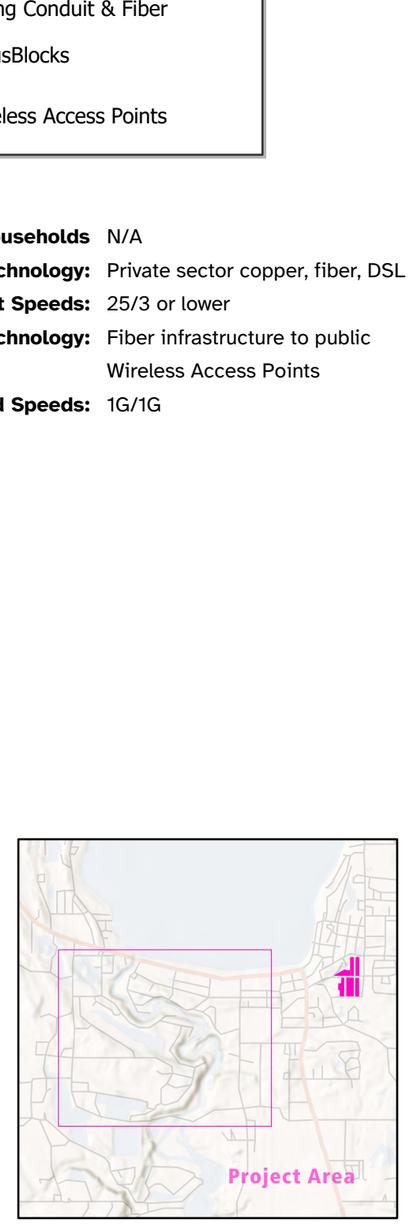
Bessiejo Wagner
Notary Public for IDAHO
Residing at McCall, ID
Commission expires 7/24/24

McCall RAPID Opp Zone Loop

City of McCall IDAHO

- Proposed Conduit & Fiber
- Existing Conduit & Fiber
- CensusBlocks
- Wireless Access Points

Number of Households	N/A
Current Technology:	Private sector copper, fiber, DSL
Current Speeds:	25/3 or lower
Proposed Technology:	Fiber infrastructure to public Wireless Access Points
Proposed Speeds:	1G/1G



City of McCall
AIRPORT

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-1488
Main 208-634-7142
Fax 208-634-3038

Idaho Broadband Advisory Board
C/O Idaho Department of Commerce
700 W. State Street
Boise, ID 83702

We are writing this letter is in support of CARES Act funding for the installation of conduit and fiber optic cable to bridge the gap in service between the airport at Deinhard Lane and St. Luke's Hospital – McCall.

The proposed fiber extension project includes installation of Wi-Fi access points along the route and will improve internet accessibility to several public safety organizations, which include McCall Municipal Airport (where personnel and supplies will be flown in during emergencies), the McCall Fire Department, and the McCall Smokejumper Base (which provides wildfire suppression to 6 national forests). The project will also improve Wi-Fi connectivity at McCall-Donnelly High School.

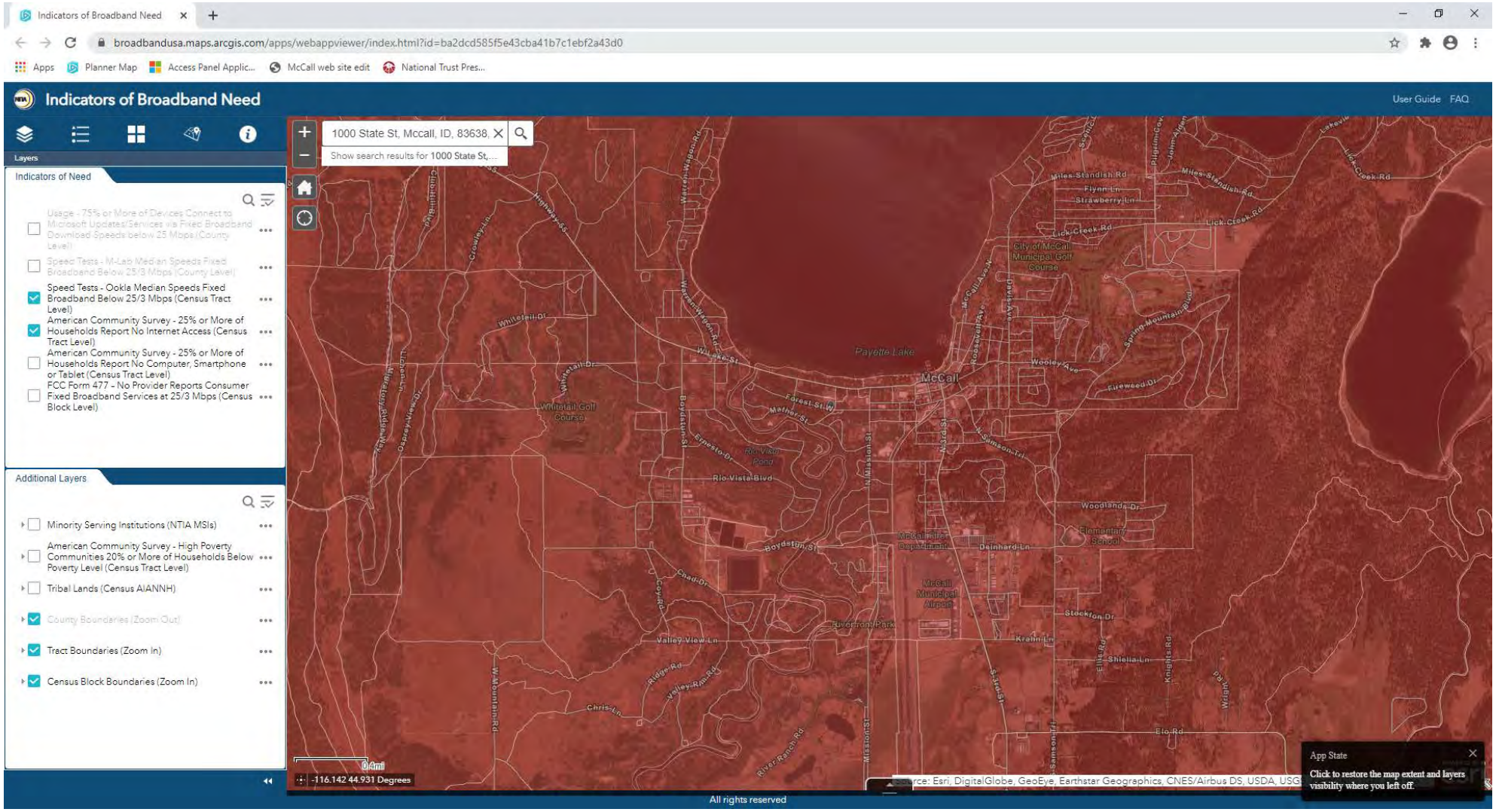
McCall Municipal Airport supports the fiber extension project, and we urge the Idaho Broadband Advisory Board to approve the project.

Sincerely,

Richard M. Stein, AAE
Airport Manager
McCall Municipal Airport

cc: Anette Spickard, City Manager
Chris Curtin, Information Systems Manager

NTIA Indicators of Broadband Need web site showing that existing Ookla Median Speeds Fixed Broadband are less than 25/3 Mbps



City of McCall IDAHO

Broadband Master Plan

Prepared for the McCall City Council

July 2020

– Prepared By –

ENTRY POINT NETWORKS

www.entpnt.com

City of McCall

Broadband Master Plan

July 2020

Contents

I. Executive Summary

II. Strategy

III. Infrastructure

IV. Assessment of Existing Broadband Infrastructure

V. Market Analysis

VI. Community Engagement Plan

VII. Business Model – Automated Open Access

VIII. Network Design

IX. Project Partners

X. Cost Analysis & Phasing

XI. Financing Considerations

XII. Legal Considerations

XIII. Risk Analysis

Executive Summary

In addition to lowering costs and delivering significant improvements in network speeds, additional objectives for the network include positively impacting economic development, livability, public safety, education, healthcare, emergency communications, smart grid, efficient government services, universal access, environmental stewardship and smart city initiatives.

The McCall, Idaho InfoSys Department has worked with EntryPoint Networks to develop this Broadband Master Plan to assist with a planning and decision-making process for deploying and operating broadband infrastructure for its municipal fiber deployment within the City of McCall. The information in this report will be used to assist in the planning and implementation of a network that seeks to lower broadband costs and increase network value for residents, commercial entities, and anchor institutions. Additionally, this report is designed to assist City leaders in understanding the operational implications, important risk factors, and a realistic cost framework for developing and operating city owned fiber optic infrastructure.

The Broadband Master Plan is a living document that will evolve as the City completes the backbone and pilot phase of the network and as it progresses from planning to implementation to operational activities.

In addition to lowering costs and delivering significant improvements in network speeds, additional objectives for the network include positively impacting economic development, livability, public safety, education, healthcare, emergency communications, smart grid capabilities, efficient government services, universal access, environmental stewardship and smart city applications.

City leaders will be able to use this document to lay the groundwork to solve near-term and long-term challenges. This report seeks to provide the data needed for City leaders to thoughtfully plan and implement a strategy that will benefit residents, businesses, and anchor institutions for years to come. The key focus of the report is on the following primary activities:

1) Network Design & Architecture
2) Construction
3) Network Operations
4) Customer Acquisition
5) Risk Management

Strategy

Deploying a large-scale fiber optic network is a significant public works and information technology project.

Key Strategic Ideas guiding this Plan include the following:

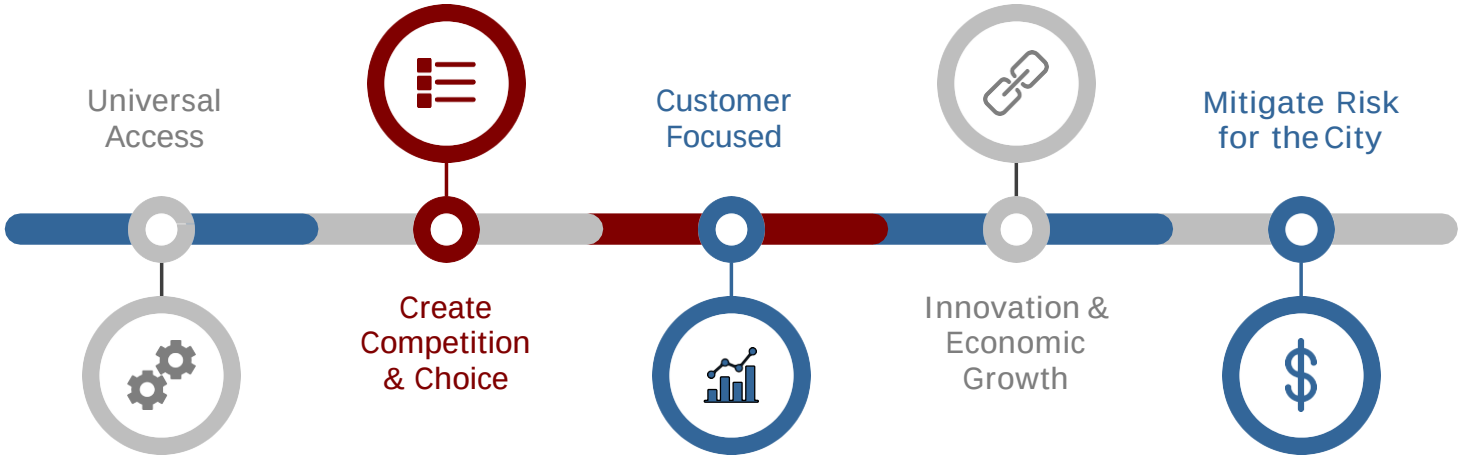
1. **Universal Access** – The economy is now an information economy and the importance of digital infrastructure continues to grow in significance. The City of McCall has an interest in ensuring that the City has robust digital infrastructure and adopts policies and projects that make 1 Gig network access available and affordable throughout city limits.

2. **Foster Competition & Choice** – The City seeks to understand initiatives that will increase the number of service providers and types of services that are available to McCall residents.

3. **Focus on Customers** – City leaders seek to understand the needs and interests of network stakeholders and then align policies, initiatives, and projects with those interests.

4. **Foster Innovation & Economic Development** – City leaders are interested in leveraging the network to foster entrepreneurship and business development throughout McCall.

5. **Mitigate Risk for the City, Constituents, and Partners** –City leaders are particularly interested in implementing a business model which mitigates financial and operational risks to the City and its partners while at the same time helping the City achieve its other objectives.



Infrastructure

Comparison of Available Media

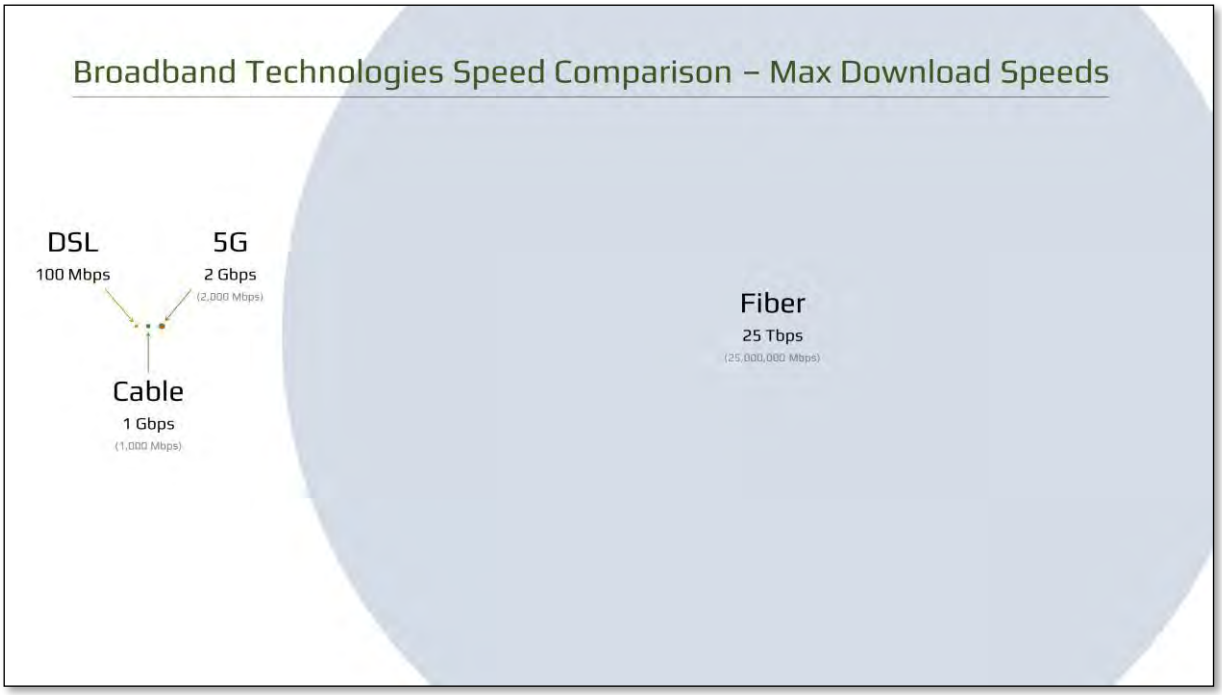
The primary media used for internet access today in the United States includes DSL, Cable, Wireless and Fiber Optic cable.

DSL stands for Digital Subscriber Line and it is one of the technologies used to provide Internet connectivity to homes and businesses. DSL uses existing telephone lines and a transceiver to bring a connection into a home or business and allows the household to use the Internet and make telephone calls at the same time. Frontier / Ziply is the incumbent telephone company in McCall and uses DSL technology. DSL is asymmetrical (the download speed is much faster than the upload speed) and is capable of download speeds up to 100 Mbps (Mega Bits Per Second). However, most consumers accessing the internet via DSL access speeds between 5 – 25 Mbps.

Coaxial Cable uses copper cable designed with one physical channel that carries the signal surrounded by a layer of insulation and then another physical channel, both running along the same axis – hence the coaxial name. Coaxial cable is primarily used by cable TV companies to connect transmission facilities to customer homes and businesses to deliver cable T.V. and internet access. Charter/Spectrum is the incumbent cable company in the McCall area. Coaxial Cable is asymmetrical and is capable of download speeds up to 940 Mbps.

Fiber Optic Cable sends information down strands of glass known as optical fibers which are about the size of a human hair. These fiber optic strands are capable of transmitting 25 Tbps (Tera Bits Per Second) today and researchers have successfully demonstrated a transmission experiment over 1045 km (kilometers) with a data-rate of 159 Tbps *(https://phys.org/news/2018-04-fiber transmission.html)*. Fiber-optic cables carry information between two places using optical (light-based) technologies which convert electrical information from the computer into a series of light pulses. Fiber Optic Cable is capable of symmetrical speeds up to 25 Tbps.

Because the difference in capacity between fiber optics and alternative media is so significant, **fiber optics should be the foundational media for any new broadband infrastructure project when financially feasible.**



Wireless Internet access is made possible via radio waves communicated to a person's home computer, laptop, smartphone, or similar mobile device. Wireless Internet can be accessed directly through providers like AT&T Wireless, Verizon Wireless, T-Mobile or by a Wireless Internet Service provider (WISP).

5G is the 5th generation of technology used in cellular networks and refers to a standard for speed and connection. Because of the extensive marketing around the emergence of 5G, many people wonder whether 5G will replace fiber optic cables. In fact, 5G depends on fiber optic infrastructure. All wireless technologies work best the faster they get back to fiber optics. The graphic above is not to scale (fiber has much greater capacity than the illustration represents) but this illustrates the magnitude of the difference between the different media types. The emergence of 5G is very early but there is a potential revenue opportunity for 5G carriers to operate on City infrastructure and contribute to the ongoing cost of network operations. Cellular networks can be symmetrical or asymmetrical and are sometimes capable of download speeds up to 2,000 Mbps

Wi-Fi is common in homes and commercial buildings and is a way to deliver a network connection from a network hub over a wired connection to wireless devices via a wireless access point. Most people access the internet over a WiFi connection, but it is important to remember that wireless connectivity ultimately depends on a wired connection and wireless access works best the faster it gets back to a wire.

Impact of Bandwidth on Applications

Length & Type of Media	Approx Size	10 Mbps	20 Mbps	100 Mbps	1,000 Mbps
4-Minute Song	4 MB	3 sec	1.5 sec	0.3 sec	0.03 sec
5-Minute Song	30 MB	26 sec	13 sec	2.5 sec	0.2 sec
9-Hour Audio Book	110 MB	1.5 min	46 sec	9.2 sec	0.9 sec
45-Minute TV Show	200 MB	3 min	1.5 min	16 sec	1.7 sec
45-Minute HDTV Show	600 MB	8.5 min	4 min	50 sec	5 sec
2-Hour Movie	1.0-1.5 GB	21.5 min	10.5 min	1.5 min	8 sec
2-Hour HD Movie	3.0-4.5 GB	60 min	32 min	4.5 min	25 sec
Large Archive File	10 GB	Too Long	Slow	Better	80 sec

Upload vs Download Speeds

In addition to the fact that fiber optics offer exponentially greater bandwidth than DSL and cable, fiber optic cable also offers the ability to deliver symmetrical speeds. In an asymmetrical connection, the download speeds are much faster than upload speeds.

Upload speed is the amount of data a person can ***send*** in one second and download speed is the amount of data a person can ***receive*** in one second. Upload speeds can be especially important for businesses, including home-based businesses or people who work from home. Applications that depend on good upload speeds include sending large files, cloud applications like Google Docs and Dropbox, VoIP, FaceTime, Skype, hard drive backups and In-house web hosting.

Assessment of Existing Broadband Infrastructure

A 2017 Deloitte Consulting analysis summarizes the current needs and realities for legacy broadband infrastructure in the United States this way:

"*The United States requires between $130 and $150 billion over the next 5–7 years to adequately support broadband competition, rural coverage and wireless densification.*"

Despite the demand and potential economic benefits of fiber deployment, the United States lacks the fiber density in access networks to make the bandwidth

advancements necessary to improve the pace of innovation and economic growth.

Some wireline carriers are reluctant or unable to invest in fiber for the consumer segment despite the potential benefits. Expected wireline capital expenditures range between 14–18 percent of revenue. Wireline operating expenditures can be 80 percent of revenue. Fiber deployment in access networks is only justified today if a short payback period can be guaranteed, a new footprint is being built, repairs from rebuilding after a storm or other event justifies replacement, or in subsidized geographies where Universal Service funds can be used. The largest US wireline carriers spend, on average, five to six times more on operating expenses than capital expenditures. Excessive operating expenditures caused, in part, by legacy network technology restrict carriers' ability to leverage digital technology advancements. Worse, as legacy networks continue to descale, the percentage of fixed costs overwhelms the cost structure leading to even greater margin pressure."

Citation: https://www2.deloitte.com/content/dam/Deloitte/us/Documents/technology-media-telecommunications/us-tmt-5GReady-the-need-for-deep-fiber-pov.pdf

Deloitte.

"The United States requires between $130 and $150 billion over the next 5–7 years to adequately support broadband competition, rural coverage and

"The primary finding of the Deloitte report is that legacy infrastructure needs to be replaced with Fiber Optic cable in the near-term to meet bandwidth demands."

The Deloitte report is not specific to infrastructure in McCall, Idaho, but the conclusions from the Deloitte report are generally applicable. **Telco and Cable operators in U.S. cities often have fiber to an aggregation point and then legacy infrastructure from the aggregation point to the premise.**

The primary finding of the Deloitte report is that legacy infrastructure needs to be replaced with Fiber Optic cable in the near-term to meet bandwidth demands. There is no indication that incumbents intend to replace legacy infrastructure with Fiber Optic infrastructure in the near term and even if they did, this upgrade would solve the base infrastructure problem but it would not solve for the lack of competition or premium pricing for Gig speeds.

Legacy copper and coaxial infrastructure will need to be replaced with state-of-the-art infrastructure in order to meet the ever-growing demands for greater bandwidth and faster speeds. An important question is whether unique value can be derived by having the City and its residents own and control this infrastructure or whether private companies should continue to own and operate all communications infrastructure.

Ideal infrastructure includes more than just the fiber optic cables running throughout the City. Important infrastructure considerations include the electronics at both ends of the fiber as well as systems that manage and control the network. As the City deploys its infrastructure, the following are important considerations guiding its decision-making framework:

- **Capacity & Speed:** The demand for bandwidth and speed will continue to grow.
- **Emerging Services and Applications:** 5G, connected vehicles, edge computing, and virtual reality are all examples of emerging applications that have infrastructure dependencies. An important consideration is how flexible the business model and technology systems are to enable whatever may come.
- **Local Control:** An advantage of a network that is locally controlled is that the network can be much more responsive to local needs and may enable innovation and adaptation for emerging opportunities.
- **Local Resilience:** Many communities are not locally resilient against attacks on internet infrastructure. It is possible to design networks in a way that provides residents and businesses with a network that is locally resilient if, for some reason, middle mile connections are severed.
- **Privacy & Security**: Subscribers are becoming increasingly sensitive to security, privacy, and confidentiality controls.
- **Risk Analysis**: Consideration of the risks for all potential network stakeholders is an essential part of the planning process.

Market Analysis

In McCall, most residents and businesses subscribe to wireline internet services from the cable operator (Cable One/SparkLight) and telephone incumbent (formerly Frontier, now Ziply). Additionally, residents in McCall have a wireless connectivity option available through Wilderness Wireless.

SparkLight

SparkLight advertises the following residential ISP services in northern Idaho:

Speed (Mbps) [Down / Up]	Introductory Pricing [contract required]	Standard Pricing [not including taxes & fees]	Data Caps
100 / 10	$39.00	$55.00	300 GB
200 / 20	---	$65.00	600 GB
300 / 30	---	$80.00	900 BG
940 / 50	---	$125.00	1,200 GB

Shared Network – Speeds are “Up To” not guaranteed.
Speeds are not Symmetrical
Additional Data - $10.00 per 100 GB used
Availability depends upon location – not available in all areas.

Ziply Fiber

Ziply recently bought out the Frontier Communications infrastructure in McCall and advertises the following package in McCall:

Speed (Mbps) [Down / Up]	Introductory Pricing [contract required]	Standard Pricing [not including taxes & fees]
25 / 2	$41.00	$59.00

Shared Network – Speeds are "Up To" not guaranteed.
Speeds are not Symmetrical
Soft Data Caps apply to all service plans
Availability depends upon location – not available in all areas.

Wilderness Wireless

Wilderness Wireless offer the following residential services in McCall:

Speed (Mbps) [Down / Up]	Standard Pricing [not including taxes & fees]	Install Fee [not including taxes & fees]
8 / 2	$59.00	$129.00
10 / 3	$69.00	$129.00
12 / 4	$79.00	$129.00

Shared Network – Speeds are "Up To" not guaranteed.
Speeds are not Symmetrical
Soft Data Caps apply to all service plans
Availability depends upon location – not available in all areas.

Community Engagement Plan

This Community Engagement Plan is an outline of the marketing, community education, and customer acquisition activities the City may follow to attract and sign up subscribers to the network.

Please Note: The Plan outlined below is offered as a possible supplement to the McCall RAPID Marketing Plan created by the City's Communications Department, attached as Exhibit A.

Goals & Objectives

The objective of the *McCall Community Engagement Plan* is to achieve a minimum of a 60% take-rate for homes and businesses within the City. Additionally, a scale of 1,800 subscribers is an important target for the project to be operationally sustainable over the long run. In the financial section later in the report, the financial models are built to a target of a 60% take-rate. The modeling can easily be adjusted to match actual take-rates.

Evaluation & Education

Document the current state of broadband in McCall and determine the level of interest among residential users and business owners through surveys, neighborhood outreach, and door to door sales activities.

Community Survey

A City specific website (rapidmccall.com) has been deployed and includes a survey for residential and business owners and will be used to determine priorities for consumers and issues that are of particular interest to potential network customers. Responses will be used to develop an education and promotion program to increase understanding of the value proposition offered by the City.

Publish Educational Information

A website has been created and will be used to outline the core message of broadband as a utility and will educate potential subscribers on the value proposition offered by the City. Customized videos will be used to educate online visitors on the following:

a. Functionality of the community fiber network
b. Options for services
c. Frequently Asked Questions (FAQ's)
d. Inquiry Form where community members can submit questions to the City

Mapping Community Interest

The website will include an "I am interested" sign-up form with associated heat map where residential and business property owners can register as someone interested in City fiber.

Marketing &Promotion

Press Releases will be used to promote the City fiber program, drive traffic to the fiber website with the goal of educating community members and generate interest and encourage community participation in the survey. The City will also use all available social media platforms (Facebook, Twitter, etc.) to promote the fiber network.

Neighborhood Entrance and Yard Signs

As fiber construction begins in a neighborhood, McCall will post signs at neighborhood entrances announcing the construction to let residents know they can still sign-up to get connected while crews are in the neighborhood.

As homes are connected in the neighborhood, yard signs will be placed in the yards of subscribers indicating that the home is a new customer and will enjoy a fiber broadband connection.

The City will partner with an internet? Banner Ad company to deliver targeted Banner Ads to the neighborhoods that are next in line for sign-up and construction.

Grassroots Engagement

Open House Events

McCall will hold a series of Open Houses where residents and business owners can hear an educational presentation about the fiber project, become educated about the benefits of fiber and automated open access, and get questions answered.

Open Houses will be promoted using the City website, social media platforms, banner ads, flyers, and door hangers.

Open House events are intended to educate residents, promote the network, and identify Fiber Champions in the various neighborhoods (fiber zones). Fiber Champions are individuals that are committed to promoting the network within their neighborhood. Fiber Champions are also incentivized to be have their neighborhood prioritized for construction as construction will often move from highest to lowest demand.

Fiber Champions

Fiber Champions assist sales efforts within their designated neighborhood (fiber zone). They organize and lead Cottage Meetings where neighbors come together to discuss the McCall fiber program. McCall leaders and employees provide support to the Fiber Champions in their efforts. Fiber Champions drive conversations and contractual commitments of neighbors via the Door-to-Door Sales and Education campaign.

Door-to-Door Sales Effort

Network sales agents (typically an independent group representing the network) contact residents and business operators within the planned network footprint to answer questions about the network and ascertain the potential subscribers' intentions regarding their participation in the network. [Yes (Opt-in) or No (Opt-out)].

This direct person-to-person contact gives everyone in the community an opportunity to ask questions, clarify their understanding and express their level of interest in participating.

To maximize the effectiveness of this process, prior to canvassing a neighborhood, door hangers are distributed to every home and business informing property owners that a representative will be stopping by to explain the value proposition, answer questions and get their Opt-in / Opt-out decision.

It is important that McCall support this effort through public notifications, press releases, mass emails, websites, social media sites, mobile applications, and other community outreach venues available to McCall. This may include outside professional marketing and/or PR firms.

The Door-to-Door Sales campaign can be funded via a network sign-up fee.

Business Model – Automated Open Access

Automated Open Access is a model where the network operator places electronics at both ends of the network and subscribers can dynamically select service providers in real-time. Software Defined Networking is used to automate various network management tasks.

In this model, multiple service providers can deliver services simultaneously and independently across a single wire. When a subscriber selects a new service provider, the provisioning is done using automation and therefore happens on-

demand. The automated provisioning creates a marketplace for services which includes ISP's and private networks for other services. The ability to switch service providers on demand increases choice and competition. This network model also includes the ability to provide local network resilience via local communications if connections over the middle mile are down.

Network Design

The Automated Open Access model uses a Switched Ethernet Network architecture rather than a Passive Optical Network (PON) architecture.

Switched Ethernet Network

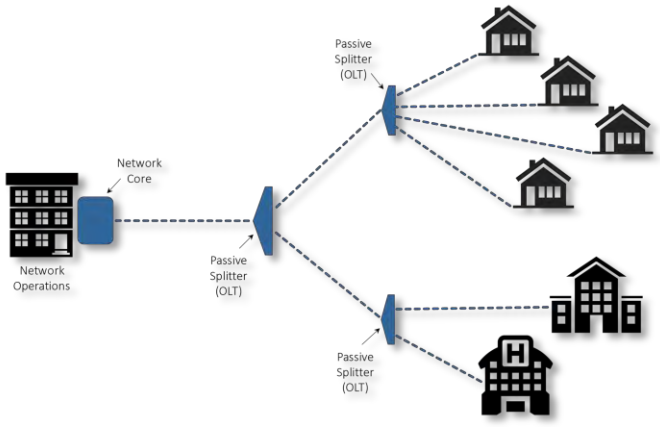
The Switched Ethernet architecture provides a dedicated connection for each customer rather than a shared connection and the customer experience is significantly better than in a shared architecture. This is due to the fact that the throughput of switch-based architecture is superior to a bus-based architecture during times of network congestion.

Passive Optical Network (PON)

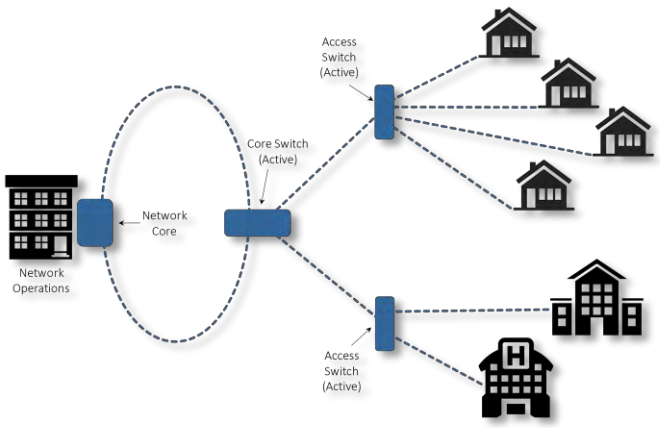
Passive Optical Networks (PON) and Coaxial (Cable) networks follow a Bus architecture.

A Bus architecture is a shared architecture. A splitter is placed in the field and a connection is often shared between 32 or 64 premises. The Bus Architecture leads to more packet collisions on the network which can result in high amounts of packet loss during congestion. Additionally, it is more difficult to isolate and troubleshoot faults in the network with a bus topology.

Passive Optical Network (PON) Design



Switched Ethernet Network Design



Proponents of PON Architecture will argue that PON is less expensive than an ethernet design. That was true historically. The illustration below shows that the variable costs of a switched ethernet deployment is now equal to PON. This change in pricing differences was driven by the fact that all Data Center deployments use Switched Ethernet architectures and the enormous growth of Data Centers over the past 20 years has driven down the cost of Ethernet electronics.

PON - Network Access Equipment

Description	Unit Cost	Qty	Extended Cost
Install Package	$696.50	1	$696.50
OLT	$4,196.50	2	$8,393.00
10GE SFP+	$837.90	2	$1,675.80
2x 1GE BIDI CSFP	$157.50	24	$3,780.00
Access Line-up			$14,545.30
Number of Subscribers Served			96
Average Cost per subscriber			$151.51

Ethernet - Network Access Equipment

Description	Unit Cost	Qty	Extended Cost
Switch	$1,700.00	2	$3,400.00
SFP	$12.00	96	$1,152.00
Access Line-up			$4,552.00
Number of Subscribers Served			96
Average Cost per subscriber			$47.42

PON - Premise Equipment

Description	Unit Cost	Qty	Extended Cost
Indoor ONT	$225.15	1	$225.15
Power supply for 700GE ONT	$12.00	1	$12.00
Premise Line-up			$237.15
Number of Subscribers Served			1
Average Cost per subscriber			$237.15

Ethernet - Premise Equipment

Description	Unit Cost	Qty	Extended Cost
White Box VBG	$330.00	1	$330.00
1000Base 1310nm-Tx/1550nm RX 10km	$9.00	1	$9.00
Premise Line-up			$339.00
Number of Subscribers Served			1
Average Cost per subscriber			$339.00

Per Premise PON Equipment Costs

Total cost per Subscriber	**$388.66**

Per Premise Ethernet Equipment Costs

Total cost per Subscriber	**$386.42**

Project Partners

Middle Mile

"Middle-mile" is an industry term that describes the network infrastructure that connects local networks to service providers at an Internet Exchange Point. The "last mile" is the local part of a communication network which connects a service provider to a customer. Current Middle Mile options include SparkLight (10 Gig), Syringa Networks (10 Gig) and Ziply (1 Gig), the company that acquired the Frontier assets.

Approximately 2,500 customers can be served by a 10 Gbps circuit. Peak usage is an important data point for monitoring and is used to inform capacity planning. As the customer base in McCall grows, capacity will need to be adjusted. The cost of the middle mile connection should be allocated on a per subscriber basis

Internet Service Providers (ISP) Partners

An Internet Service Provider gives subscribers access to the internet. Because the City of McCall network will be organized as an Open Access Network, it will have multiple ISP's offering services to subscribers.

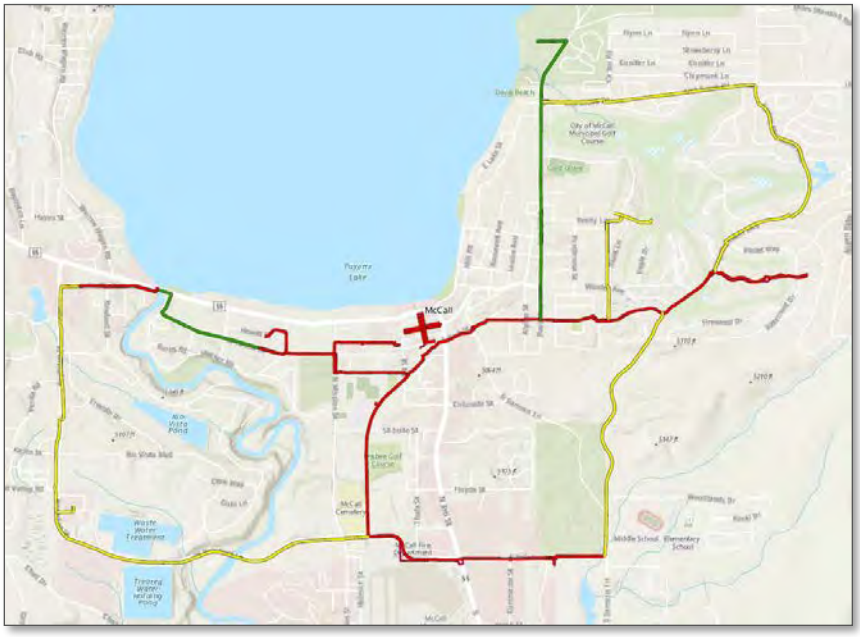
The Internet Service Providers (ISP) listed below have expressed a verbal interest in being service providers to McCall subscribers. The participation of these ISP's will be formalized through an MOU process.

Internet Service Providers –

- Wilderness Wireless – https://ww2.wildwisp.com/index.html
- Fybercom – https://www.fybercom.net/
- QwikNet – http://qwk.net/
- Sumo Fiber – https://sumofiber.com/

Cost Analysis & Phasing

Backbone Build-Out | 2019 -2022



Backbone Phase 1 (2019) - Red (Currently Installed)

Backbone Phase 2 (2020) – Yellow
Contractor: Idaho Site Prep

Spring Mountain Blvd Route
Construction Labor: $340,435.00
Materials: $46,000
Distance: 18,000 linear feet

Deinhard Route (Bid – 2020 Additional Route)
Construction Labor: $214,063.00
Materials: $30,000
Distance: 11,000 linear feet

Backbone Phase 3 (2021/2022) Green
Projected Construction Labor: $420,000
Materials: $60,000 (est)

Residential Pilot (2020) – 25 Homes
A residential pilot is planned for 2020 that will include between 20 – 30 homes on Alpine Street and Davis Avenue. The residential pilot will allow the McCall leadership to test financial models and customer acquisition strategies and will also provide a demonstration of the system the city is deploying.

Local Improvement District #1 (2021) – 300 Homes
Pending a successful residential pilot project in 2020, the Broadband Committee will seek approval for the first Broadband Local Improvement District in 2021 which will include approximately 300 homes.

High Level Network Design

A high-level network design was done for the residential pilot neighborhood in order to build a cost model for that project. The Biarri Networks Fiber Optic Network Design Tool was used to create the design and calculate materials costs for these designs. The main cost categories for deploying and operating broadband networks are separated to optimize the costs in each of the following categories -

- Infrastructure Capital Costs (Financed over 20-25 years)
- Network Maintenance & Operations
- Services

Infrastructure Capital Costs

The cost modeling that follows assumes the City has established its fiber optic backbone.

Monthly Infrastructure Cost

The first illustration of Infrastructure Capital Costs per premise assumes a 60% take-rate and a project that is 100% underground. The data in the line items in this model come from a combination of the Biarri Network Design tool, actual bids for materials, and network buildout experience.

Take-rate is a variable that is critical to project success because the operational sustainability of a project depends on crossing a certain take-rate threshold and take-rate has a meaningful impact on the cost per premise.

Monthly Infrastructure Cost Modeled From 25 Premises

The second illustration of Infrastructure Capital Costs per premise assumes a 60% take-rate and a project that is 100% underground. We can adjust these variables on a neighborhood by neighborhood basis as needed.

Costs at 60% Take Rate			
100% Buried			
Description	Common	Drop	Total
Labor - Hours	20.83	5.00	25.83
Labor - Dollars	$1,250.00	$300.00	$1,550.00
Equipment	$370.72	$57.25	$427.97
Materials	$483.62	$158.71	$642.33
Supplies	$93.27	$5.63	$98.90
Restoration	$48.10	$1.76	$49.86
Hut/Cabinet	$108.07	$5.90	$113.97
Feeder Fiber	$36.02	$0.99	$37.01
Engineering	$31.10	$1.03	$38.13
Professional Services	$148.42	$15.16	$163.58
Electronics	$166.67	$350.00	$516.67
Subscriber Acquisition	$0.00	$0.00	$0.00
Total	**$2,741.97**	**$896.43**	**$3,638.40**

Monthly Infrastructure Fee	**$21.19**

Why Take-Rate is Important

The following table illustrates the impact of take-rate on total cost per premise with a rate of 60% as neutral on impact.

Take-Rate	Cost/Sub	Subscribers	Difference	vs. 60% Take-Rate
5.00%	$33,800.03	202	-	($30,161.63)
10.00%	$17,348.23	403	$16,451.80	($13,709.83)
15.00%	$11,864.30	605	$5,483.93	($8,225.90)
20.00%	$9,122.33	807	$2,741.97	($5,483.93)
25.00%	$7,477.15	1,009	$1,645.18	($3,838.75)
30.00%	$6,380.36	1,210	$1,096.79	($2,741.97)
35.00%	$5,596.94	1,412	$783.42	($1,958.55)
40.00%	$5,009.38	1,614	$587.56	($1,370.98)
45.00%	$4,552.39	1,815	$456.99	($913.99)
50.00%	$4,186.79	2,017	$365.60	($548.39)
55.00%	$3,887.67	2,219	$299.12	($249.27)
60.00%	$3,638.40	2,420	$249.27	$0.00
65.00%	$3,427.48	2,622	$210.92	$210.92
70.00%	$3,246.69	2,824	$180.79	$391.71
75.00%	$3,090.00	3,026	$156.68	$548.39
80.00%	$2,952.91	3,227	$137.10	$685.49
85.00%	$2,831.94	3,429	$120.97	$806.46
90.00%	$2,724.41	3,631	$107.53	$913.99
95.00%	$2,628.20	3,832	$96.21	$1,010.20
100.00%	$2,541.61	4,034	$86.59	$1,096.79

Full City-Wide Deployment Infrastructure Network Operations

The following Table summarizes the anticipated cost structure for Network Maintenance & Operations. This schedule produces a monthly M&O fee for the Broadband Utility at $22.66 per month. The City would need to subsidize network operations until enough scale is established to achieve sustainability.

Residential M&O	Subscriber	Monthly	Annual	Percentage
Costs/Accruals/Reserves	$22.66	$584,592	$7,015,103	100.00%
Power	$1.41	$36,288	$435,452	6.21%
Co-Lo Fees	$0.35	$9,072	$108,863	1.55%
Labor	$8.00	$206,400	$2,476,800	35.31%
Office	$0.58	$15,016	$180,187	2.57%
Vehicles	$0.73	$18,770	$225,234	3.21%
Tools	$0.21	$5,443	$65,318	0.93%
Equipment	$1.18	$30,344	$364,128	5.19%
Supplies	$0.12	$3,128	$37,539	0.54%
Dig-line	$0.19	$5,005	$60,062	0.86%
Maintenance	$1.18	$30,344	$364,128	5.19%
Call Center	$0.36	$9,385	$112,617	1.61%
Network Operations Center (Monitoring)	$0.36	$9,385	$112,617	1.61%
Equipment Refresh costs (Reserves)	$2.00	$51,600	$619,200	8.83%
Licenses Fees (SaaS, Etc.)	$2.00	$51,600	$619,200	8.83%
Rentals	$0.50	$12,900	$154,800	2.21%
Business Insurance	$0.00	$0.00	$0.00	0.00%
Bad Debt	$0.46	$11,887	$142,648	2.03%
Equipment Replacement	$0.02	$626	$7,508	0.11%
Taxes and Fees (Property)	$0.00	$0	$0	0.00%
Middle Mile	$2.00	$51,600	$619,200	8.83%
Reserves	$1.00	$25,800	$309,600	4.41%
Total	$22.66	$584,592	$7,015,103	100.00%

Network Management & Operations Cost Structure

The numbers and categories in this model are derived from many years of experience with actual costs for Broadband projects. Labor costs are modeled to reflect Idaho wages.

Staffing Modeling for Internal Network Operations

The following Table models the cost structure for the positions needed for the City of McCall to operate the network with City employees. The model provides sufficient resources for network management and operations. The model does not include resources for construction. The cost structure improves with economies of scale (subscriber growth). The City will need to subsidize this department through the first 6-7 years of operations and that investment will be paid back by operational surpluses as subscribers grow beyond 1,800. The work that will be done by the Network Operations Department includes network

monitoring, network management, outside plant repairs, & new customer installations. Losses in Years 1-6 is being mitigated by leveraging existing City resources.

Position	Fully Compensated Hourly Rate	Fully Compensated Monthly Cost	Fully Compensated Annual Cost
Manager	$48	$8,251	$99,008
Network Admin	$39	$6,795	$81,536
I.T. Technician	$28	$4,853	$58,240
Outside Manager	$28	$4,853	$58,240
Outside Plant Tech	$22	$3,883	$46,592

Subscriptions & Staffing Projections

Subscribers	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Subscribers	20	300	300	300	300	300	300	300	300	0
# of Subscriber at year end	20	320	620	920	1,220	1,520	1,820	2,120	2,420	2,420
Labor Allocation	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00
Cash Flow from Labor	$960	$16,320	$45,120	$73,920	$102,720	$131,520	$160,320	$189,120	$217,920	$232,320

Staffing Projections	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Manager	0	0	0	0	0	0	0	0	0.5	0.5
Network Admin	0	0	0	0.5	1	1	1	1	0.75	1
IT Technician	0	0	0.5	0	0	0.5	0.5	1	1	1
Outside Plant Manager	0	0	0	0	0	0	0	0	0	0
Outside Plant Laborer	0	0.25	0.5	0.5	0.5	0.5	1	1	1	1

Position	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Manager	$0	$0	$0	$0	$0	$0	$0	$0	$49,504	$49,504
Network Admin	$0	$0	$0	$40,768	$81,536	$81,536	$81,536	$81,536	$61,152	$81,536
IT Technician	$0	$0	$29,120	$0	$0	$29,120	$29,120	$58,240	$58,240	$58,240
Outside Plant Manager	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Outside Plant Laborer	$0	$11,648	$23,296	$23,296	$23,296	$23,296	$46,592	$46,592	$46,592	$46,592
Total	$0	$11,648	$52,416	$64,064	$104,832	$133,952	$157,248	$186,368	$215,488	$235,872
Net	$960	$4,672	-$7,296	$9,856	-$2,112	-$2,432	$3,072	$2,752	$2,432	-$3,552

Project Pro-Forma

Financial Pro-Forma of Full Project Costs – 10 Year Build – Ethernet Architecture

Projected Phase 2	$630,498.00
Projected Phase 3	$420,000.00
Projected Cost Per Premise (Common and Drop)*	$3,638.40
Estimated Subscribers	2,420
Total Cost (Common & Drop) (Includes	$7,537,943.70
Professional Services)	Included
Total Projected Project Costs	$7,537,943.70

** Assumes 100% underground, 60% take rate & short-term interest rate of 8% and long-term bond rate of 4% for 25 years.*

Projected Subscription Costs

Projected Residential Services Monthly Costs	100% Underground
Infrastructure	$21.19
Maintenance and Operations	$22.66
ISP Service *(Dedicated 1 GB Symmetrical)*	$9.99
Monthly Total	$53.84

Projected Business Services Monthly Costs	100% Underground
Infrastructure	$21.19
Maintenance and Operations	$39.95
ISP Service *(Dedicated 1 GB Symmetrical)*	$49.99
Monthly Total	$111.13

The Residential $9.99 monthly ISP fee listed above is based upon current pricing from the list of ISPs interested in providing services in McCall.

The differences between Residential and Business pricing are based on the need for many businesses to have 24x7 customer support.

Projected Capital Expenditures & Funding

Timeline	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10+	Total
Capital Costs											
Phase 1	$630,498	$0									$630,498
Phase 2	$0	$420,000									$420,000
Subscriber Drops	$17,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$0	$2,169,361
Subscriber Common	$54,839	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$0	$6,635,559
Interest Reserve (Drops)	$2,911	$49,482	$43,661	$43,661	$43,661	$43,661	$43,661	$43,661	$43,661	$0	$358,018
Interest Reserve (Backbone)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total	$706,177	$1,561,001	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180		$10,213,436
Short Term Financing											
New Backbone	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Retired											
Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Build	$72,768	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$0	$8,804,920
Total	$72,768	$1,164,287	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$0	
Long Term Funding											
New Backbone			$0	$0							$0
New Build			$1,216,680	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,091,519	$8,804,920
Total Backbone			$0	$0	$0	$0					
Total Build			$1,216,680	$2,351,860	$3,487,039	$4,622,219	$5,757,399	$6,892,579	$8,027,758	$9,119,277	

Projected Income & Cash Flow

Timeline	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10 +
Subscribers										
New Subscribers	20	300	300	300	300	300	300	300	300	-
# of Subscriber at year end	20	320	620	920	1,220	1,520	1,820	2,120	2,420	2,420
Income Statement (Revenue)										
Infrastructure Fees	$2,543.40	$43,237.75	$119,539.66	$195,841.57	$272,143.48	$348,445.39	$424,747.30	$501,049.21	$577,351.13	$615,502.08
Maintenance and Operations	$2,719.03	$46,223.54	$127,794.50	$209,365.46	$290,936.42	$372,507.38	$454,078.34	$535,649.30	$617,220.26	$658,005.74
Total Revenue	$5,262.43	$89,461.29	$247,334.16	$405,207.04	$563,079.91	$720,952.78	$878,825.65	$1,036,698.52	$1,194,571.39	$1,273,507.82
Operating Costs (Expenses)										
Maintenance and Operations	-$2,359.03	-$40,103.54	-$110,874.50	-$181,645.46	-$252,416.42	-$323,187.38	-$393,958.34	-$464,729.30	-$535,500.26	-$570,885.74
M&O Labor Difference	$960.00	$4,672.00	-$7,296.00	$9,856.00	-$2,112.00	-$2,432.00	$3,072.00	$2,752.00	$2,432.00	-$235,872.00
Middle Mile Difference (assuming $2,500/mo.)	-$14,760.00	-$10,920.00	-$3,720.00	$3,480.00	$10,680.00	$17,880.00	$25,080.00	$32,280.00	$39,480.00	$43,080.00
Equipment Refresh/Replacement	$0.00	$0.00	$0.00	-$3,384.00	-$5,544.00	-$7,704.00	-$9,864.00	-$12,024.00	-$14,184.00	-$16,344.00
Interest Reserve	-$2,910.72	-$49,482.19	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	$0.00
Debt Service Reserve	-$2,543.40	-$37,009.97	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	$0.00
M&O Reserve	-$360.00	-$6,120.00	-$16,920.00	-$27,720.00	-$38,520.00	-$49,320.00	-$60,120.00	-$70,920.00	-$81,720.00	-$87,120.00
Total Expenses	-$21,973.15	-$138,963.71	-$215,127.12	-$275,730.08	-$364,229.04	-$441,080.00	-$512,106.96	-$588,957.92	-$665,808.88	-$867,141.74
Net (Revenue vs Expenses)	-$16,710.72	-$49,502.42	$32,207.04	$129,476.95	$198,850.86	$279,872.77	$366,718.68	$447,740.59	$528,762.51	$406,366.08
Loan Payment										
Backbone			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Build Out			$81,780.00	$158,081.91	$234,383.82	$310,685.73	$386,987.64	$463,289.55	$539,591.46	$612,958.68
Total Loan Payments			$81,780.00	$158,081.91	$234,383.82	$310,685.73	$386,987.64	$463,289.55	$539,591.46	$612,958.68
Net	-$16,710.72	-$49,502.42	-$49,572.96	-$28,604.96	-$35,532.96	-$30,812.96	-$20,268.96	-$15,548.96	-$10,828.96	-$206,592.60
Cash Flow										
		-	-	-	-	-	-	-	-	
Capital Expenditures	-$703,265.93	$1,511,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$0.00
Money Borrowed	$0.00	$1,164,286.93	$1,143,911.91	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$0.00
Net	-$703,265.93	-$347,232.07	$52,392.91	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$0.00
Revenue	$5,262.43	$89,461.29	$247,334.16	$405,207.04	$563,079.91	$720,952.78	$878,825.65	$1,036,698.52	$1,194,571.39	$1,273,507.82
Cash Expenses	-$1,399.03	-$35,431.54	-$118,170.50	-$171,789.46	-$254,528.42	-$325,619.38	-$390,886.34	-$461,977.30	-$533,068.26	-$806,757.74
Loan Payments			-$81,780.00	-$158,081.91	-$234,383.82	-$310,685.73	-$386,987.64	-$463,289.55	-$539,591.46	-$612,958.68
Net Cash	$3,863.40	$54,029.75	$47,383.66	$75,335.66	$74,167.66	$84,647.66	$100,951.66	$111,431.66	$121,911.66	-$146,208.60
Accrued Interest	-$2,910.72	-$49,482.19	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	$0.00
Unrestricted Cash	-$705,216.65	-$385,814.49	$6,539.96	$14,959.80	$2,991.80	$2,671.80	$8,175.80	$7,855.80	$7,535.80	-$233,328.60
Reserve										
Interest Reserve	$2,910.72	$49,482.19	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$0.00
Debt Service	$2,543.40	$37,009.97	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$0.00
Maintenance and Operations	$360.00	$6,120.00	$16,920.00	$27,720.00	$38,520.00	$49,320.00	$60,120.00	$70,920.00	$81,720.00	$87,120.00
Total Reserve	$5,814.11	$92,612.17	$93,236.62	$104,036.62	$114,836.62	$125,636.62	$136,436.62	$147,236.62	$158,036.62	$87,120.00
Total Cash	-$699,402.54	-$293,202.32	$99,776.58	$118,996.42	$117,828.42	$128,308.42	$144,612.42	$155,092.42	$165,572.42	-$146,208.60

Financing Considerations

Because project feasibility is ultimately a function of getting people to sign up and remain loyal to the network, there needs to be a value proposition that mobilizes customers to subscribe. For that to happen, subscribers need a compelling solution and the network needs to create cash flow predictability and bankable contracts to attract financing for the project. NetEquity in San Francisco visualizes these dependencies in this way:

NetEquity Stack

People	are hungry for	Services
Services	are hungry for	Infrastructure
Infrastructure	is hungry for	Capital
Capital	is hungry for	Cash Flow Predictability
Cash Flow Predictability	is hungry for	Bankable Contracts
Bankable Contacts	result from	Aligned Incentives
Aligned Incentives	requires	Trust
Trust	comes from	Having the Same Vision

*Isfandiyar (Asfi) Shaheen developed the **NetEquity Stack** above. Mr. Shaheen is a Global Broadband Infrastructure Thought Leader based in San Francisco. He is working to provide fiber optic connectivity to unconnected countries around the world.*

Legal Considerations

The McCall City Attorney should prepare a separate analysis describing the City's legal authority to build, own, and operate broadband infrastructure and include legal and risk-related considerations for organizing a broadband utility.

Risk Analysis

9

Potental Risk Factors >

Likelihood

Impact

Mitigation

The following is an analysis of the main risk factors facing the City of McCall as it pursues its fiber-to-the-premise deployment. Eight potental Risk Factors are analyzed:

1. Subscriber Churn Risk
2. Take-Rate Risk
3. Project Execution Risk
4. Equipment and Technology Risk
5. Community Engagement Risk
6. Cost Modeling Risk
7. Timeline Risk
8. Regulatory Risk
9. Middle Mile Risk

Subscriber Churn

Subscriber Churn is the risk that customers sign up and then do not remain subscribers to the network.

Likelihood: Today customers are primarily driven by cost, speed, and customer service. Churn is possible and is a consequence of the customers pursuing an option to get better value from an alternative solution. The likelihood of churn is high if a new market solution simply replicates the incumbent model. The likelihood of churn goes down under a Business Model where 1) the customer is financially responsible for the drop to their property and 2) where the value proposition is strong enough to make the customer voluntarily committed to the network.

Impact: The impact of churn on the network is potentially catastrophic if it reaches a level where the capital and operational cost of the abandoned infrastructure cannot reasonably be shared by remaining subscribers.

Mitigation: Churn can be mitigated by implementing a business model that makes customers voluntarily committed to the network and by assigning financial responsibility to customers for their lateral connection.

Take-Rate Risk

Take-rate risk is the risk that the City builds out the network and ends up with a take-rate that is lower than expected.

Likelihood: Take-rate risk is possible and is a function of the value proposition of the network and how well that value proposition gets communicated and managed before construction starts. High take-rates lead to lower network costs for subscribers. This creates a virtuous cycle where lower costs lead to higher take rates. The reverse is also true.

Impact: The worst-case scenario is one where lower take rates lead to higher costs and churn which create a death spiral that negatively compounds until the network is not sustainable.

Mitigation: Manage demand aggregation before construction begins and give consumers a value proposition that makes them voluntarily committed to the network infrastructure.

ProjectExecution

Project Execution includes strategy, planning, project management and fulfillment of the project plan and operational execution.

Likelihood: Project execution failure is possible and is a function of the effectiveness of project planning, management, controls, and execution.

Impact: The severity of impact is in proportion to the effectiveness of project management and execution. A worst-case scenario is one where project execution affects the value proposition, which in turn affects take-rate and churn.

Mitigation: Hire or partner with skilled project managers and key strategic partners. Create alignment among key team members on the project plan and operational plan. Develop project controls that are monitored and reported to senior leadership monthly.

Equipment & Technology Risk

Equipment & Technology Risk includes both software and hardware solutions and is the risk that equipment failure rates are higher than expected, major

software bugs are unresolved, operational reliability is lower than expected, and/or that the technology lifecycle leads to faster obsolescence than is expected. For a network, the size of McCall, an additional risk is scalability risk. Middle Mile risk covered in the Middle Mile pricing section.

Likelihood: Solutions with short deployment histories, unreliable references, unclear quality control and test procedures, weak professional teams, and poorly architected scalability abstractions present increased equipment and technology risk.

Impact: The impact of this risk category is moderate because it is possible to vet both software and hardware systems to assess this risk. The base technology of the network will be fiber optic cable and that has sufficient history to present a minor risk to the project. Remaining risks include electronics and software systems.

Mitigation: Implement thorough due diligence processes with trained professionals to scrutinize references, architecture, software abstractions, quality control systems and the professional histories of vendors being considered.

CommunityEngagement

Community Engagement is the marketing, education and communication processes and strategies used to inform residents and businesses about the value proposition offered by the network.

Likelihood: Community Engagement risk is possible but nonetheless a risk that can be managed and monitored. Poor planning, management and execution increases the level of risk. Community engagement can be handled by internal City staff, but risk increases if staff member resources are inadequate for a project of this size. There is an abundant supply of marketing professionals available to assist with community engagement processes.

Impact: Community engagement is a key driver of project success due to the relationship between community engagement and take-rate.

Mitigation: Leverage the skills of competent marketing professionals and provide sufficient resources to make it easy for every resident to learn the basic value proposition for the network in comparison to alternatives through a variety of marketing, education and communication strategies.

Cost Modeling Risk

Cost Modeling Risk is the risk that cost modeling significantly underestimates actual design, construction, and/or operational costs.

Likelihood: There is enough industry data to reasonably validate cost estimates.

Impact: Cost overruns can have a moderate to disastrous impact on network sustainability.

Mitigation: Validate financial assumptions against industry assumptions, market conditions, and account for local economic variables.

Timeline Risk

The current plan is to connect 300 homes per year over a 10-year period. This can be a successful strategy. It is a measured approach and is similar to the strategy the Ammon, Idaho has followed for its buildout. Before finalizing this strategy there are several considerations that should be evaluated:

1) Each LID phase requires legal, financing and accounting transaction costs. Building the network with fewer LID's will lower the overall transaction costs for the project.
2) Maintenance & Operations does not break even until there are roughly 1,800 subscribers. Building at a faster pace will result in an accelerated period to break-even.
3) Interest Rates are at an unprecedented low currently and building over a 10- year period may expose later project years to some interest rate risk.

In the approach followed by Ammon, none of the fiber network loans were organized as City debt. The loans were directly between the subscribers via the LID and the lending institution.

Likelihood: Costs are certain to be higher for an extended buildout period. However, there are execution risks for accelerating the buildout and these trade-offs need to be weighed by City leaders.

Impact: Costs will be incrementally higher for an extended build-out schedule and M&O will have a longer ramp to sustainability.

Mitigation: The City can control the buildout schedule following a cost / benefit analysis of the options. An important consideration is alignment with construction partners. If the city is going to outsource construction, it should consult with potential construction partners about the alternative construction

schedules to make sure that the city's strategy is amenable to key construction partners.

Regulatory Risk

Regulatory Risk is the risk that State or Federal regulations become an impediment or barrier to the city successfully building or operating a municipal network. Idaho state law is unclear on whether cities have the right to build and operate a municipal network. Because the law is unclear, cities have pursued Judicial Confirmations to establish the right to build and operate fiber optic infrastructure. Two of the cities that have followed this path are Ammon and Mountain Home.

Likelihood: There is a reasonable amount of risk that an incumbent operator could make a claim to stop McCall from building a competing network.

Impact: If a claim were to be brought against McCall, the likely process is that it would take an extensive amount of time and cost to contest or appeal the claim.

Mitigation: The McCall City Attorney can oversee an effort to follow the same process followed by Ammon and Mountain Home to seek and receive Judicial Confirmation that the City has the authority to build this infrastructure.

Middle Mile Risks

Middle Mile risks include the following:

1) Lack of redundant options on divergent paths,
2) Pricing risk, and
3) The risk of being stranded or isolated without a viable path to an internet exchange point.

Likelihood: The closest internet exchange point is in Boise. McCall does have a divergent middle mile path to Boise via the three Middle Mile options, but bandwidth capacity is a potential issue going forward.

The most likely risk is that incumbent middle mile carriers will not provide competitively priced, high bandwidth middle mile options.

The risk of getting isolated or cut off from internet access is possible but has a low likelihood of occurring.

Impact: Each of the Middle Mile Risks could have a significant impact on network success. The most likely risk is pricing risk followed by insufficient Middle Mile

capacity. The obvious impact of pricing risk is that the per premise cost will increase.

Mitigation: The way the City can mitigate and possibly eliminate Middle Mile Risk is by working with the County to build and operate its own Middle Mile connection back to Boise. This may seem daunting to the City and the County, but it is worth doing a separate analysis and comparison of projected costs to proposals from existing incumbents. A significant benefit of the City & County working together to enable a permanent path to Boise is that the infrastructure could be paid off over 30 years and would provide abundant bandwidth to County residents and businesses.

[EXHIBIT A]

McCall RAPID Marketing Plan Overview

Introduction

RAPID is the City of McCall's answer to the community's need for better internet connectivity. A faster and more economical method to get quality internet access to a home or business. RAPID is an open access network that will use McCall's existing underground fiber to allow multiple internet providers to offer citizens in McCall city limits residential and commercial high-speed internet through a single webpage.

The RAPID product/service will be distributed to the community in stages and therefore, each phase will require a carefully planned and executed marketing effort necessary to maximize the reach, potential, gauge strengths, discover opportunities as well as plans to maintain excellent service throughout the life of the utility.

This plan is intended to serve as an first general outline and guide, to McCall City Council, Information Systems staff and those on the planning project team, for addressing the important elements of the plan in reference to sales, advertising and marketing. The Outreach plan includes:

- Project market objectives
- Phased Planning
- Brand identity
- Key messages strategies and tactics
- Roles and responsibilities, reporting and evaluation

This plan is not intended to supersede any existing or future communications plans developed or implemented by Information Systems staff. The plan will be executed in concert with Infosys, the project team and public relations staff.

Project Market Objectives

The overarching objectives of the RAPID Market plan are as follows:

- Garner recognition, visibility and community-wide support for the product/service
- Educate the public how the product works and can improve connectivity
- Position RAPID as a critical utility with citizens
- Highlight successful cost savings with successful Local Improvement District (LID) participation.
- Outline features and benefits
- Obtain feedback from test group, stakeholders and customers

Phased Outreach Objectives

- Phase 1A – Test Area
- Phase 1B – First LID
- Phase 2 – Ongoing Phases Service Plan

Target Audiences

This plan is designed to reach a wide variety of stakeholders. Below are the general target audiences. Specific organizations and individuals are detailed in the appendix to this plan. (*Note:* We consider the media to be a vehicle, rather than an audience.)

- Citizens of McCall/Government and public officials
- Technology industry policymakers, business leaders and regional economic development officials/professionals
- Potential service residential and business customers

Phased Targeting

- Phase 1A (Test Area)
    - Homes within the test area as identified. Appendix or Reference page?
- Phase 1B (First LID)

- Home and businesses within area as identified currently holding adequate underground fiber lines.

- Phase 2
  - All home and businesses within all areas in the City of McCall with appropriate underground infrastructure.

Brand Identity

RAPID requires strong name and logo recognition in the community for developing a brand identity that raises awareness, generates enthusiasm and creates visibility. Specifically, we recommend a logo font and tagline to be utilized on all communication materials relating to the plan, including but not limited to:

- Websites, digital media, and advertisements
- Transportation, vests, hats
- Onsite Work signage
- Contractors serving RAPID
- Correspondence, Press releases and Presentations
- Public notices
- Fliers and door hangers
- Community partner's web posts and newsletters, plans and drafts
- Recommended logo and taglines will be designed to promote continuity of message and establish a unified identity. Through a creative play on words, the proposed tagline theme will position the plan as a forward-thinking initiative with an emphasis on building the future and guiding the Library's vision for tomorrow. The brand identity is used as a unifying theme to foster support and elevate the value and importance of the RAPID product/service
- The current/proposed logo:

- The current/ proposed tagline: Connecting the City of McCall

Key Messages

Effective outreach requires a commitment to communicating an agreed-upon platform of key messages. The following three key messages are intended to serve as a guide for communicating with target audiences about RAPID:

What

RAPID is a faster and cheaper way to get quality internet access to your home or business.

Why

RAPID allows multiple internet providers to offer you high speed internet services to both residential and commercial customers through a single webpage allowing better connectivity at reduced costs.

How

RAPID uses McCall's existing underground fiber network.

Key Messages and Proof Points

The three key messages are repeated below with proof points to support them. This is not intended to be a word-for-word script; persuasive communications require that spokesperson(s) convey the key messages in their own words. To ensure consistency in the messages, we recommend that RAPID spokesperson(s) refer to and utilize the guide prior to communications with elected officials, opinion leaders, media, and other interested stakeholders.

- The City of McCall has identified Internet as an essential service.
- Fiber optic connections are faster, less expensive and future proof
- We currently have inadequate connectivity limiting capacities in McCall and the region.
- Three parts to the RAPID Service.
    - City Utility Fee- A monthly fee, only charged if you have ongoing internet service and can be canceled any time.
    - Internet Service- A monthly fee, only charged if you have ongoing internet service and can be canceled any time.
    - House Connection- A onetime fee with option to finance over 20 years or if your property is already connected to fiber there is no house connection fee.

- The cost of the RAPID installation can be paid overtime or in one lump sum.
- The costs of service monthly will vary based on chosen Internet Service Provider.
- The costs will be reduced with increased participation in a LID.
- RAPID will give its citizens more options for education, remote work, online efficiency and aid area businesses with future development.
- The installation of fiber to the property with increase its value.

The RAPID project will be maintained by the Information Systems Manager and staff. Updates will be publicized through the all vehicles of media including digital, and on a dedicated website.

Strategies and Tactics

In order to develop widespread participation and community buy-in for the RAPID project and service, we propose the following overarching communications strategies to occur at three key milestones of the project:

- **Phase 1A – The TEST PHASE**, a residential area is identified receives service free as well as delayed/discounted installation with required opinion and feedback as a part of the process. The feedback is then used to further improve product/service.
- **Phase 1B – The FIRST LID PHASE**, a residential area is identified as a first launch area for service.
- **Phase 2 –** The CONTINUING RAPID SERVICE/INSTALLATION PHASE, all areas with appropriate infrastructure are measured for interest and are candidates to initiate service.

Strategy: *Support the RAPID project by generating interest in targeted phase area.*

We will work with staff to generate interest from local news outlets. Specific tactics may include but are not limited to:

- Organize and hold a public meeting to publicly launch RAPID.
- Develop a media advisory and press release to publicize the public meeting and public launch of RAPID.
- Pitch media and schedule interviews with Project Leader to discuss RAPID.

- Continue to develop interesting RAPID content on the organization's website

Strategy: Utilize neighborhood, community and referral programs to market RAPID.

- We will leverage existing partnerships and foster new relationships to promote and educate the community on RAPID.
- Create programs that reward current users for referrals and new subscribers
- Work with HOA's to develop large scale interest in focused areas.
- Use current utility customer databases to generate interest in RAPID.
- Utilize door hanger construction notifiers (We are working on RAPID next door)
- Reach out to community partners to mention the public meeting through websites and their social media platforms such as blogs, Facebook, and Twitter.
- Prepare short articles on RAPID for inclusion in community partners' newsletters, websites, etc.
- Create and distribute flyers to post on community bulletin boards and hand out at city events.
- Distribute e-blasts to community partners at key milestones in the process.

Strategy: Influence public using social media to promote RAPID and build interest.

Create and individual RAPID social media page to pair with the website.

Consistent coordinated updates with varying levels of frequency.

Create a foundation for social media communications in the future with customers.

- Develop a system and staff for coordinating RAPID content.
- Build the number of Facebook followers using other city social pages.
- Utilize multimedia (videos, etc.) to maximize publicity.
- Distribute press releases, op-eds, and meeting announcements through social media channels.

- Regularly monitor the channel to address comments and questions and ensure all posts are consistent with the overall message of RAPID.

Roles and Responsibilities

The City of McCall Information Systems Department in conjunction with the Communications Department will control RAPID in all external and internal communications related to development phases.

Evaluation

At multiple times throughout all phases of the project, we will collect feedback and evaluations of the installation services and internet connect. Identification of the most relevant metrics may be developed in advance may include the following:

- Feedback with the goal to analyze quality in service and installation.
- SWOT with each phase.
- Technical measurements as identified by InfoSys

Target Media

Below is a list of targeted media, grouped by local outlets and industry/trade publications. We anticipate that most of the interest during the strategic planning process will come from local media, primarily print outlets. The final master plan will present the McCall Public Library with an opportunity to promote its vision regionally and through targeted trade media.

Local Outlets:

- McCall Star-News
- McCall Magazine
- Visit McCall
- Local Blogs.
- Local Podcasts
- Radio - KDZY
- Radio - STARR
- KTVB, KBOI, KIVI
- Idaho Business Review
- Idaho Statesman

St Luke's McCall

July 12, 2021

Chris Curtin
City of McCall Information Systems Manager
216 E. Park Street
McCall, ID 83638

Dear City of McCall,

St. Luke's McCall supports the City of McCall's project to install free public WiFi access points around the city to better serve the community. We are pleased that the City's plan includes adding an access point next to the St. Luke's McCall's campus.

The ability to communicate via cell phones, computers and tablets, is important and sometimes critical for our patient families. We support having increased free public WiFi access available outside of the hospital and throughout the city of McCall.

Since the beginning of the COVID-19 pandemic, St. Luke's has adjusted and limited visitor access to our facilities to reduce the risk of spreading the virus to our patients and staff. During the height of the pandemic family members of emergency department patients were asked to wait in their cars in the parking lot, as they were not allowed into the facility. We developed a system to keep them up to date on their loved one's care via text messages. Some cellular carriers service plans and coverage is better than others. On occasion, due to lack of cellular coverage this made it challenging to keep family members waiting outside of the hospital updated on their family members.

Having reliable access to WiFi, even outside of a pandemic, can be challenging. Having increased access will better serve our patients and families.

St. Luke's McCall is grateful to the City of McCall and their efforts to keep us connected with reliable internet access via WiFi.

Please accept this letter of support and recommendation to fund this worthwhile project.

Sincerely,

Amber Green
St. Luke's McCall Chief Operating Officer/CNO

St. Luke's McCall Medical Center
1000 State Street
McCall, Idaho 83638
P (208) 634-2221 F (208) 634-7112

stlukesonline.org

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St. Luke's McCall supports the City of McCall's project to install free public WiFi access points around the city to better serve the community. We are pleased that the City's plan includes adding an access point next to the St. Luke's McCall's campus.

The ability to communicate via cell phones, computers and tablets, is important and sometimes critical for our patient families. We support having increased free public WiFi access available outside of the hospital and throughout the city of McCall.

Since the beginning of the COVID-19 pandemic, St. Luke's has adjusted and limited visitor access to our facilities to reduce the risk of spreading the virus to our patients and staff. During the height of the pandemic family members of emergency department patients were asked to wait in their cars in the parking lot, as they were not allowed into the facility. We developed a system to keep them up to date on their loved one's care via text messages. Some cellular carriers service plans and coverage is better than others. On occasion, due to lack of cellular coverage this made it challenging to keep family members waiting outside of the hospital updated on their family members.

Having reliable access to WiFi, even outside of a pandemic, can be challenging. Having increased access will better serve our patients and families.

St. Luke's McCall is grateful to the City of McCall and their efforts to keep us connected with reliable internet access via WiFi.

Please accept this letter of support and recommendation to fund this worthwhile project.

Sincerely,

Amber Green
St. Luke's McCall Chief Operating Officer/CNO

St. Luke's McCall Medical Center
1000 State Street
McCall, Idaho 83638
P (208) 634-2221 F (208) 634-7112

stlukesonline.org

WEST CENTRAL MOUNTAINS
ECONOMIC DEVELOPMENT COUNCIL
Valley County · Cascade · Donnelly · McCall · Meadows Valley

Director Tom Kealey
Idaho Dept. of Commerce
RE: CFAC Broadband Grant

The West Central Mountains Economic Development Council fully supports the City of McCall's grant funding request for Broadband, available through CFAC/Commerce as part of the CARES Act. With an influx of 10,000+ visitors each week in the summer and winter months, available bandwidth is frequently strained for residential and enterprise systems alike. Moving to a FTTH configuration will allow McCall to add middle mile services relieving some of this pressure.

The following projects are shovel ready and capable or being completed before the December deadline. We believe they are high value projects that align with the community's long term needs for enhanced broadband capabilities.

1. Install conduit route along Deinhard. Fiber pulling and splicing – installation and termination of 96 fiber in existing backbone routes. ~4 miles (Includes public Wi-Fi locations)
2. Beta testing neighborhood – up to 55 homes to show proof of concept for RAPID fiber utility

We encourage you to consider funding their projects.

Thank you for your time and consideration,

Andrew Mentzer, on behalf of the West Central Mountains EDC board of directors
WCMEDC.org
208.703.0161

24. Grant Budget Template:

The Fiber Optic Project is broken into two segments listed below.

	SWST HUT (2021)		
	CIRCLE H CONSTRUCTION	CONST.	$443,690.97
	VANTAGE POINT	10%	$44,369.10
	PERMITS	CONST.	$1,500.00
	HUT SITE UPGRADES (Outside Plant)	OSP.	$4,500.00
	HUT SITE UPGRADES (Central Office)	CO.	$8,000.00
	ONT HOUSINGS ($ 40.00)	x55	$2,200.00
	ONT CARDS ($ 360.00)	x29	$10,440.00
	FTTH Cutover Labor (6hrs x 50.00)	x29	$8,700.00
	UPS FOR ONT ($ 160.00)	X22	$3,520.00
	SPLITTERS @ HUT SITE ($ 1250.00)	x1	$1,250.00
	FMTC MATERIAL MISC.	OSP	$3,000.00
	FMTC LABOR (Coordination, Inspection, Mapping)	7.89%	$ 35,007.22
	TOTAL	TOTAL	$566,177.28
	NUAR HUT (2021)		
	CIRCLE H CONSTRUCTION (Labor and Materials)	CONST.	$809,245.64
	VANTAGE POINT (Engineering and Inspections)	10%	$80,924.56
	PERMITS	CONST.	$1,000.00
	HUT SITE UPGRADES (Outside Plant)	OSP.	$1,000.00
	HUT SITE UPGRADES (Central Office)	CO.	$240.00
	ONT HOUSINGS ($ 40.00)	x95	$3,800.00
	ONT CARDS ($ 360.00)	x50	$18,000.00
	FTTH Cutover Labor (6hrs x 50.00)	x50	$15,000.00
	UPS FOR ONT ($ 160.00)	x23	$3,680.00
	SPLITTERS @ HUT SITE ($ 1250.00)	x1	$1,250.00
	FMTC MATERIAL MISC.	OSP	$3,000.00
	FMTC LABOR (Coordination, Inspection, Mapping)	7.89%	$63,849.48
	TOTAL	TOTAL	$1,000,989.68
			$1,567,166.97

25. Project Schedule Form:

Construction Schedule		
Project Area Description	**Task**	**Date**
SW Hut	Materials Ordered	September 25, 2020
	Materials Aquired	March 30, 2021
	Construction Starts	April 1, 2021
	50 Days	
	Construction Ends	June 10, 2021
	Map Project	July 1, 2021
	Fiber optic cutovers Start	July 1, 2021
	Fiber optic cutovers End	August 31, 2021
NuAcres Hut	Materials Ordered	September 25, 2020
	Materials Aquired	March 30, 2021
	Construction Starts	June 11, 2021
	80 Days	
	Construction Ends	October 4, 2021
	Map Project	October 29, 2021
	Fiber optic cutovers Start	September 1, 2021
	Fiber optic cutovers End	November 15, 2021
	Submit project close out Documents	December 1, 2021

26. Cares Act Certification:

Payette County Certification.pdf

27. Additional Supporting Documents:

2021 07-14 Parma Rural Fire Farme

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Chris Engels
Applicant ID	APP-004820
Company Name	City of Kuna
Recipient Address	City of Kuna Main St Kuna, ID 83634
Phone	(208) 922-5546
Email	cityclerk@kunaid.gov
Amount Requested	$427,021.00
Status	Submitted
Funded	☐

Application Title: Broadband conduit infrastructure - Kuna Rd Priority 1

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Joe Stear
Mayor
751 W 4th St, Kuna ID 83634
MayorStear@kunaid.gov
208.387.7726

Question: List the cities/communities in the census blocks where the project(s) will take place.

Kuna Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Chris Engels
City Clerk/Grant Administrator
cityclerk@kunaid.gov
208.387.7726

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

Kuna is an incorporated city in Ada County but still have large amounts of rural areas surrounding the community that are joining the city. Kuna is eight miles from the interstate and Meridian and is southwest of Boise. As the last year has evolved and growth continued, accessibility to fiber optic providers with speeds that meet the standards required for educational communication, employment from a home base along with the demands on services and economic investment expansion reiterates the need for fiber optic infrastructure to give all ISP's affordable opportunities to provide the community services. Those would include but not limited to CenturyLink, Sparklight, Safelink as well as access for Kuna School District, City public services and Kuna Fire District. There is currently no infrastructure in place for this project area.

The scope of work includes trenching, boring and placing handholes for 27,986FT Trench / 1150 FT Bore that will start at the Kuna School District Hub at Deer Flat, travel east to N Meridian Rd, south to Meadow View that will hook up City Services for the Kuna Parks and Facilities Dept, east to Locust Grove, south to Kuna Rd, jaunt back west to the Kuna School District site, reverse east along Kuna Rd to meet the needs of city and county residence and future industrial growth to Cloverdale to Falcon Crest with a build out of 2,500 homes, future public works facilities and school, and Kuna well and lift station, south on Cloverdale to the future and annexed site for a second Fire District station that will also provide potential space for the Kuna Police Department and Ada County Sheriff South County officers when needed.

The costs do not include any cobble/rock that we might run into when boring and will be covered by the city.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

The City of Kuna has identified Broadband as critical and needed infrastructure that serves as an essential component on multiple levels. Educational connectivity, emergency and city services, economic vitality and residential accessibility.

Current Policy
Kuna has implemented city code to require developers to install fiber optic conduit measured at one (1) - four (4) inch conduit with three (3) – 1-1/4 inch innerduct along all mile and mid-mile section roads. Said innerduct shall be placed with the proper amount of handholes, as determined by the City Engineer or their Designee, at road and canal crossings. Innerduct shall consist of (1) Orange, one (1) Blue and one (1) Green in accordance with the current City Fiber Optic Detail. Conduit shall be turned over to the City at time of final platting or otherwise approved by the Public Works Director, City Engineer or designee.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

Completion of this project will align with the stratagies put in place to ensure consistant and secure infrastructure to provide access and coverage for important users.

Future Strategy
Broadband infrastructure is being developed into a master plan that aligns with the current Comprehensive Plan and companion to the pathway, street circulation and utility master plans.

Beneficiaries of this project:
• Schools
• Emergency Services
• City Services
• Under served Residential
• Economic expansion
• Extends availability to County residents to extend from

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

Kuna is not an internet provider but will make the conduit infrastructure available for all levels of private service providers to open the competitive atmosphere by lowering obstacles for entry into the Kuna market by smaller and larger providers of a needed product for users that are

underserved. Agreements will be developed to minimize or remove upfront costs for providers with investment protection sought through provider revenue.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

The city will match 5% of the project total along with any overruns or unexpected incidentals.

Question: Estimated total project cost?

449496.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

A minimum of 2,500.

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

N/A

Question: What is the maximum broadband speed that will be provided by the project?

Speeds will align with the providers that utilize the conduit infrastructure.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes, the contractor will obtain all permits within the time line provided. The contractor will be Track Utilities.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

The conduit infrastructure will be owned and maintained by the City of Kuna and all broadband providers will have access to install fiber on behalf of their company and customers.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The project will be administered by the City Grant Administrator, City Clerk Chris Engels in alignment with all grant requirements and with in the timeline provided. The City Treasurer Jared Empey will oversee all internal and external audits in compliance with standard practices.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No.

Question: Include any other relevant information as to why your project should be considered for funding.

This project would meet the needs of:
- Schools
- Emergency Services
- City Services
- Under served Residential
- Economic expansion
- Extends availability to County residents to extend from

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

Speedtest Results Export-2021_07_14 (1).pdf (7/15/2021 12:01 PM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

FIBER OPTIC NEEDS MAP 1.pdf (7/14/2021 5:13 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget-Template.pdf (7/14/2021 5:14 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Idaho-Cares-Act-Broadband-Grant-Project-Schedule-Template.pdf (7/14/2021 5:14 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Broadbband Grant CARES Act Certification - Signed and Notarized.pdf (7/15/2021 12:03 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

ICABG-Contribution - Signed Project 1.pdf (7/15/2021 12:06 PM)
School Dist Support Letter.pdf (7/15/2021 12:03 PM)
Kuna Police Support Letter.pdf (7/15/2021 12:03 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

FIBER OPTIC NEEDS MAP 1.pdf (7/15/2021 12:04 PM)

IP_ADDRESS	TEST_DATE	TIME_ZONE	DOWNLOAD_MEGABITS	UPLOAD_MEGABITS
162.218.180.82	7/14/2021 11:37	GMT	514.83	95.15
162.218.180.82	7/12/2021 12:24	GMT	528.39	94
162.218.180.82	5/12/2021 10:16	GMT	502.34	92.7
24.117.97.66	7/14/2021		114.5	10.39

LATENCY_MS	SERVER_NAME	DISTANCE_MILES	CONNECTION_MODE	SERVER_COUNT	
23	Spokane	WA	300	multi	4
24	Spokane	WA	300	multi	4
22	Spokane	WA	300	multi	4

PING – 10

E Ardell Rd

N Kay Ave

N Meridian Rd

N Locust Grove Rd

N Stewart Rd

S Cloverdale Rd

E Deer Flat Rd

KUNA
HIGH SCHOOL
(MAIN HUB)

N Orchard Ave

KUNA
PARK & REC
OFFICE
(FUTURE)

FUTURE KUNA
SCHOOL COMPLEX

- FALCON RIDGE COMMUNITY
- 2,500 HOMES
- FUTURE PUBLIC WORKS FACILITIES
- FUTURE KUNA SCHOOL

KUNA WELL LOCATION
KUNA LIFT STATION LOCATION

S Stroebel Rd

S Eagle Rd

FUTURE
KUNA FIRE
DEPARTMENT
STATION #2

Legend

- ALTERNATIVE
- CHARTER
- ELEMENTARY
- HIGH SCHOOL
- MIDDLE
- CONDUIT HANDHOLE LOCATIONS
- CONDUIT ROUTE (29,136 FEET)

FEDERAL LANDS

- IDAHO STATE
- IDAHO STATE FISH & GAME DEPT
- IDAHO STATE DEPT OF LANDS
- USA (BUREAU OF LAND MANAGEMENT)
- USA (FOREST SERVICE)
- USA (BUREAU OF RECLAMATION)

0 0.125 0.25 0.5 0.75 1 Miles

MLB

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

Idaho CARES Act Broadband Grant – Project Schedule

Activity	Responsible Party	Start Date	End Date
Conduit Installation	Idaho Site Prep	8-15-2021	10-15-2021
Prepare bid docs	City	8-1-2021	8-15-2021
Contractor selection	City	8-15-2021	9-1-2021
Fiber Pull	Contractor TBD	9-1-2021	10-15-2021
Fiber Splice	Contractor TBD	10-1-2021	12-15-2021
Public Wifi Install	Contractor TBD	10-1-2021	10-30-2021
Project close out	City	12-15-2021	12-30-2021

P.O. BOX 13
KUNA ID 83634
(208)922-5546
www.KunaCity.id.gov

Mayor
Joe Stear

City Council
Members
Richard Cardoza
Warren Christensen
John Laraway
Greg McPherson

City of Kuna

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO
COUNTY OF ADA

The undersigned, **Joe Stear**, representing **City of Kuna, 751 W 4th St, Kuna Idaho, 83634**, hereby swear (affirm) that:

1. I am **Mayor** of **City of Kuna** and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein, and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.
    i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
    ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Applicant to complete this section with information regarding how they will meet the above CARES Act Criteria.

1. are necessary expenditures incurred due to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19);
2. were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for the State or government; and
3. were incurred during the period that begins on March 1, 2020, and ends on December 31, 2021.

Signature

07-15-2021
Date

SUBSCRIBED AND SWORN before me on this 15th day of July, 2021

JESSICA REID
COMMISSION #20181683
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 08/14/2024

Notary Public for STATE

Residing at 751 W 4th St, Kuna, ID 83634

Commission expires 08.14.2024

Idaho CARES Act Broadband Grant
Match

Community: Kuna Idaho

Contributor name (& title): Joe Stear, Mayor

Agency/Business: City of Kuna

DESCRIPTION OF DONATION:

Date: 07.14.2021

5% cash match for project

Total Amount Contributed to Project $22,475

I hereby certify that the above listed contributions have been made in the amount (s) shown.

Contributor Signature

07-15-2021

Kuna School District

Inspiring each student to become a lifelong learner and a contributing, responsible citizen.

Wendy Johnson, *Superintendent*

Kim Bekkedahl, *Asst. Superintendent of Student Learning Services*

David Reinhart, *Asst. Superintendent of School Support Services*

Allison Westfall, *Communications Director*

Brian Graves, *Secondary Coordinator*

Elmira Feather, *Finance and Budget Director*

Kevin Gifford, *Elementary Coordinator*

Kelly Schamber, *Special Education Director*

Mark Thayer, *Administrator of IT*

June 17, 2021

Dear Idaho Broadband Advisory Board,

I am writing as the Assistant Superintendent for Kuna Public School District to support our city's effort to secure funding for improved infrastructure for our students and residents.

Our School District is growing rapidly as our community continues to grow at a record pace. In order to provide education for the families moving here we have to be prepared to build new schools and provide a quality learning environment for our students.

Education changed during the past two years and we have learned the value of being able to immediately change our learning environment between the home and traditional school building on a moment's notice. Increased broadband access is crucial, especially to our families without the means to afford subscriptions or fast devices.

In the past we have worked in partnership with the City of Kuna on laying conduit when possible and planning for the future because broadband is critical to our daily operations.

The plans of the City include a continued partnership with us because they know where are needs are for new schools and existing neighborhoods of highest need.

We see Broadband access as critical to the safety of our students as well. Everyday we work with approximately 5,800 students and 700 employees. Broadband access provides us with safe and secure ways to communicate rapidly and respond to any issues as they come up.

We are in support of the City of Kuna's application to you for high speed broadband connections. If you have any questions for me, please contact me directly.

Regards,

David Reinhart
Assistant Superintendent for School Services

711 E. Porter Rd., Kuna, Idaho 83634
Phone: (208) 922-1000 FAX: (208) 922-5646

POLICE
CITY OF KUNA

Mike Fratusco, Chief of Police

Idaho Broadband Advisory Board,

My name is Mike Fratusco and I am the Chief of Police for the City of Kuna. I am writing this in support of Kuna's request for broadband infrastructure. Kuna is a city of approximately 28,000 people and has seen explosive growth in the last couple of years. Due to the numerous annexations outside of the immediate city center, we have numerous underserved households in need. As we have seen recently with the public health issue, there is a need for households to have access to work from home and communicate at a much faster speed. The broadband will also assist with the accessibility and capacity of the critical infrastructure facilities of emergency responders. It is extremely important to be able to work through the virtual world with the highest and most reliable broadband in our critical daily operations.

As one of the representatives within the realm of emergency services, I wanted to express my support for the City of Kuna's application. Having high speed broadband connections within public safety is critical as we move forward to fulfill public safety connectivity in the future.

Sincerely Mike Fratusco
Kuna City Chief of Police
1450 W. Boise Street
Kuna, Idaho 83634
June 17, 2021

E Ardell Rd

N Kay Ave

N Meridian Rd

N Locust Grove Rd

N Stewart Rd

S Cloverdale Rd

E Deer Flat Rd

KUNA
HIGH SCHOOL
(MAIN HUB)

N Orchard Ave

KUNA
PARK & REC
OFFICE
(FUTURE)

FUTURE KUNA
SCHOOL COMPLEX

- FALCON RIDGE COMMUNITY
- 2,500 HOMES
- FUTURE PUBLIC WORKS FACILITIES
- FUTURE KUNA SCHOOL

KUNA WELL LOCATION
KUNA LIFT STATION LOCATION

S Stroebel Rd

S Eagle Rd

FUTURE
KUNA FIRE
DEPARTMENT
STATION #2

Legend

- ALTERNATIVE
- CHARTER
- ELEMENTARY
- HIGH SCHOOL
- MIDDLE
- CONDUIT HANDHOLE LOCATIONS
- CONDUIT ROUTE (29,136 FEET)

FEDERAL LANDS

- IDAHO STATE
- IDAHO STATE FISH & GAME DEPT
- IDAHO STATE DEPT OF LANDS
- USA (BUREAU OF LAND MANAGEMENT)
- USA (FOREST SERVICE)
- USA (BUREAU OF RECLAMATION)

0 0.125 0.25 0.5 0.75 1 Miles

MLB

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Delta James
Applicant ID	APP-004821
Company Name	McCall
Recipient Address	McCall 216 E Park St McCall, ID 83638
Phone	(208) 634-7142
Email	djames@mccall.id.us
Amount Requested	$194,000.00
Status	Submitted
Funded	☐

Application Title: McCall RAPID - Pilot Neighborhood: Fiber for Local Housing

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

City of McCall, 216 E. Park Street, McCall ID 83638
Contact: Chris Curtin, Infomation Systems Manager, ccurtin@mccall.id.us, 208.315.3576

Question: List the cities/communities in the census blocks where the project(s) will take place.

McCall, Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Delta James, Economic Development Planner, City of McCall
djames@mccall.id.us
208-634-3504

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

In recognition that reliable and adequate internet access is a critical element of local economic vitality and to meet the current and future internet access needs of businesses and residents, three years ago the City of McCall declared broadband a critical service and launched an open access fiber utility project called RAPID with a goal to; increase access to internet, speed, expand-ability and reliability while establishing local control over essential critical infrastructure and lowering the monthly total cost of access for community members.

Tele-Medicine, telework, online learning and more are all easily accessible with available bandwidth. The recent COVID-19 crisis has highlighted the need for better access to internet services, especially in underserved rural areas. The City of McCall's RAPID project is building backbone fiber to not only enhance the capability of public services and serve local businesses and schools, but also provide the pathway for fiber to the home (FTTH) services with network speeds of up to 1G symmetrical at the request of residents. The City will operate the infrastructure but will not act as an ISP (internet service provider) or compete with private sector providers to deliver services across the network. Separating the infrastructure in the ground (fiber) from the connectivity offered by internet services providers (ISP's) is the next wave for internet access in small and rural communities such as McCall and Ammon, Idaho.

The City of McCall is shovel-ready and has materials reserved to implement a key phase of RAPID implementation by December 31, 2021. This phase, the Pilot Neighborhood: Fiber for Local Housing project, will connect the first cluster of households (up to 55 residential units) to the RAPID fiber backbone to pilot and demonstrate the effectiveness and service level of RAPID

fiber to the home. The test neighborhood location was chosen because of its proximity to installed backbone fiber within public right of way, its high percentage of year-round full-time residents, and its ability to serve a new 12-unit local housing development that provides affordable deed-restricted housing for McCall's workforce.

Grant funds will be utilized to support the cost of installing a neighborhood level conduit and fiber loop, extending service to the homes at the request of home owners in an area that currently does not offer this service, and providing internet service through a third-party provider for a period of one year if home owners agree to collect and report data about service levels, connectivity and use patterns. This data will then be used to refine and inform RAPID's residential service for the rest of the McCall community and enable more students to keep learning and workers to keep earning from their homes; an essential aspect of COVID-19 mitigation and economic resiliency.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

The City of McCall is a rural town of 2991 full time residents (2010 Census), but often experiences an influx of visitors that can swell the area population to 30,000+ in a weekend. This causes an overload of internet circuits (most cellular traffic uses terrestrial based transport for backhaul) making cellular and internet connectivity nearly unusable and slowing business transactions. As demonstrated by the National Telecommunications and Information Administration (NTIA), the entire McCall area has reported fixed broadband speeds below 25/3 Mbps on average. By providing reliable upload/download speeds at a minimum of 500 Mbps and up to 1G symmetrical to a local workforce and full-time residential neighborhood, the Pilot Neighborhood: Fiber for Local Housing project will provide faster and more reliable fiber infrastructure to encourage entrepreneurial home businesses, and allow residents to connect to telework, remote learning, and telehealth services as needed.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

The McCall RAPID Pilot Neighborhood: Fiber for Local Housing project will help meet the COVID 19 public health emergency and mitigate future similar disruptions by installing high speed broadband fiber to a neighborhood that includes 12 local deed-restricted workforce housing units and 32 other residential units that are primarily occupied by full-time residents. Connection to the broadband fiber network is optional, serving only those households that voluntarily choose to participate, but in a neighborhood that currently does not have an option for fiber connection, it is expected that the project will enable residents to work, learn and access healthcare remotely and reliably.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

McCall's RAPID broadband effort will establish a community owned open-access fiber network that ensures that homes and businesses are attached to open fiber, across which private service providers can compete to sell internet connectivity services. Community owned fiber resources are more cost effective because they allow multiple private providers to utilize one physical fiber network, thereby reducing overhead costs and encouraging fair market competition among private providers for customers. Like other essential utilities such as water and electricity, McCall's RAPID fiber infrastructure can be connected to every property and will allow customers to join if they choose. The RAPID network will operate under an open access policy that allows any private internet service provider to access the infrastructure and offer its services at reasonable, nondiscriminatory prices, creating a competitive market for retail services to flourish.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

No project match is proposed for this specific phase of the McCall RAPID Broadband network, however the City of McCall has invested approximately $850,000 of local funding to date to plan and install RAPID broadband community infrastructure. Additionally, City of McCall staff will provide in-kind project, financial and grant management professional services for the project.

Question: Estimated total project cost?

194000.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

The project will serve 55 residential units, at least one of which will be connected and live by December 31, 2021.

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

The project will provide fiber to the home access to 55 residential units at an estimated project cost of $194,000 resulting in a cost of $3,527 per household, if all 55 property owners choose to connect. Preliminary surveys and analysis demonstrate that at least 60% of the property owners in the project area will connect to the fiber loop, resulting in at least 33 fiber to the home service connections, a cost of $5878 per household.

Question: What is the maximum broadband speed that will be provided by the project?

McCall RAPID is capable of providing network speeds of up to 1G symmetrical to public facilities and to private properties at the request of residents and businesses.

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

All permits, permissions and zoning requirements necessary for the project are obtainable in order for this project to be completed by December 31, 2021. The project will install a neighborhood level fiber loop within City road right of way so no permits are needed. At the request of private property owners, service will be installed to private residences through a template agreement for each service.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

The City will operate the RAPID Broadband fiber infrastructure but will not act as an ISP (internet service provider) or compete with private sector providers to deliver services across the network. The RAPID network will operate under an open access policy that allows any private internet service provider to access the infrastructure and offer its services that customers can access if they choose.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

Overall project management will be coordinated by Chris Curtin, City of McCall Information Systems Manager. Chris has successfully implemented previous phases of the RAPID project including procurement, construction management and systems inspection. Delta James, AICP, McCall Economic Development Planner, will provide grant administration. Delta is a certified CDBG Administrator and has extensive experience managing federal and state grant awards and reporting requirements. Accounting will be conducted by the City Treasurer and the project will be included in the City's annual audit process.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No.

Question: Include any other relevant information as to why your project should be considered for funding.

A resilient and robust broadband infrastructure is essential not just for the economic health of a community, but also in meeting medical and educational needs. The ongoing pandemic proves that broadband is critical in times of crisis. Therefore, the City of McCall supports the use of CARES Act funds to improve, extend and add resiliency to Idaho's broadband infrastructure and is ready and able to complete a meaningful, coordinated and substantial project within the tight CARES Act expenditure time frame, if given the opportunity.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

2021 speed tests from McCall community members.pdf (7/13/2021 1:18 PM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

McCall RAPID Pilot Neighborhood - Local Housing Map.pdf (7/13/2021 11:16 AM)
McCall RAPID Pilot Neighborhood Phase1A shape files.zip (7/13/2021 11:16 AM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget - McCall RAPID Pilot Neighborhood.pdf (7/13/2021 11:20 AM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Idaho-Cares-Act-Broadband-Grant-Budget - McCall RAPID Pilot Neighborhood.pdf (7/13/2021 11:21 AM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

McCall CARES Act Certification - signed.pdf (7/13/2021 11:22 AM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

2021 Pilot Program Interest Form.pdf (7/15/2021 8:44 AM)
WCMEDC McCall Broadband Letter of Support.pdf (7/13/2021 11:37 AM)
Chamber LTR of Support for City Broadband Grant.pdf (7/13/2021 11:37 AM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

RAPID Broadband Master Plan.pdf (7/12/2021 11:49 AM)

Question: Any applicable Site Plans, studies, or photographs.

NTIA Indicators of Broadband Need.pdf (7/13/2021 1:16 PM)

City of McCall
INFORMATION SYSTEMS
www.mccall.id.us

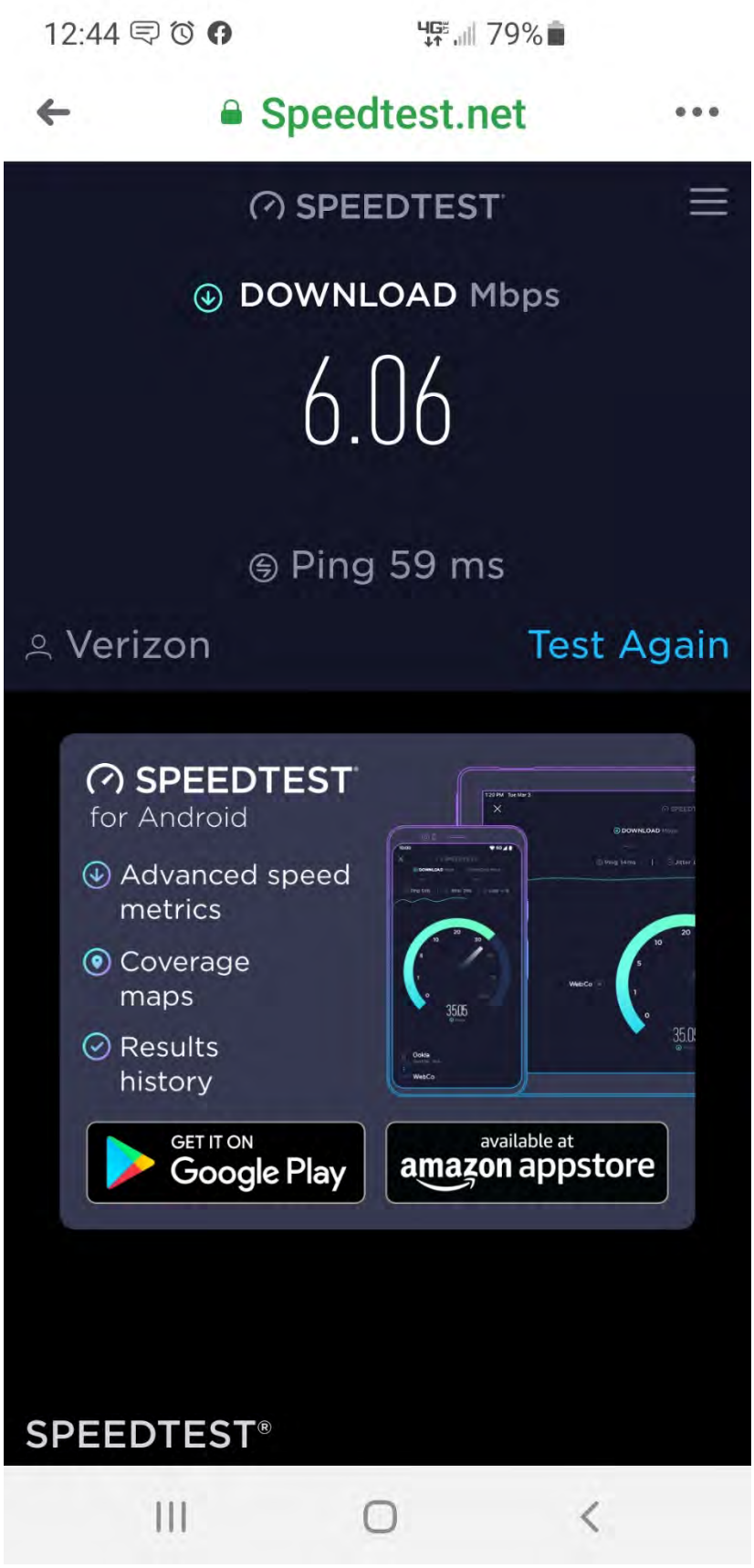
216 East Park Street
McCall, Idaho 83638

Phone 208-634-8547
Main 208-634-7142
Fax 208-634-3038

CARES grant 2021 representative speed tests from community members:

Name	Speeds	Provider	Date Taken
Julie Heidemann	6.06	Verizon	7-11-21
Andrea R	115.37	Sparklight	7-11-21
Emily Sehloff	21.93	Sparklight	7-10-21
Steve Johnson	210.88	Sparklight	7-10-21
ReNae Bradfield	58.80	Sparklight	7-9-21
Ross van Ravenhorst	5.89	Ziply Fiber	7-9-21
Abby Andrew	7.90	Ziply Fiber	7-9-21
Becky Thomas	22.63	Sparklight	7-9-21
Shanti Wintergate	1.08	Ziply Fiber	7-9-21
Debra Bailey	229.13	Sparklight	7-9-21

All speed tests were conducted utilizing Ookla – documentation of each speed test follows.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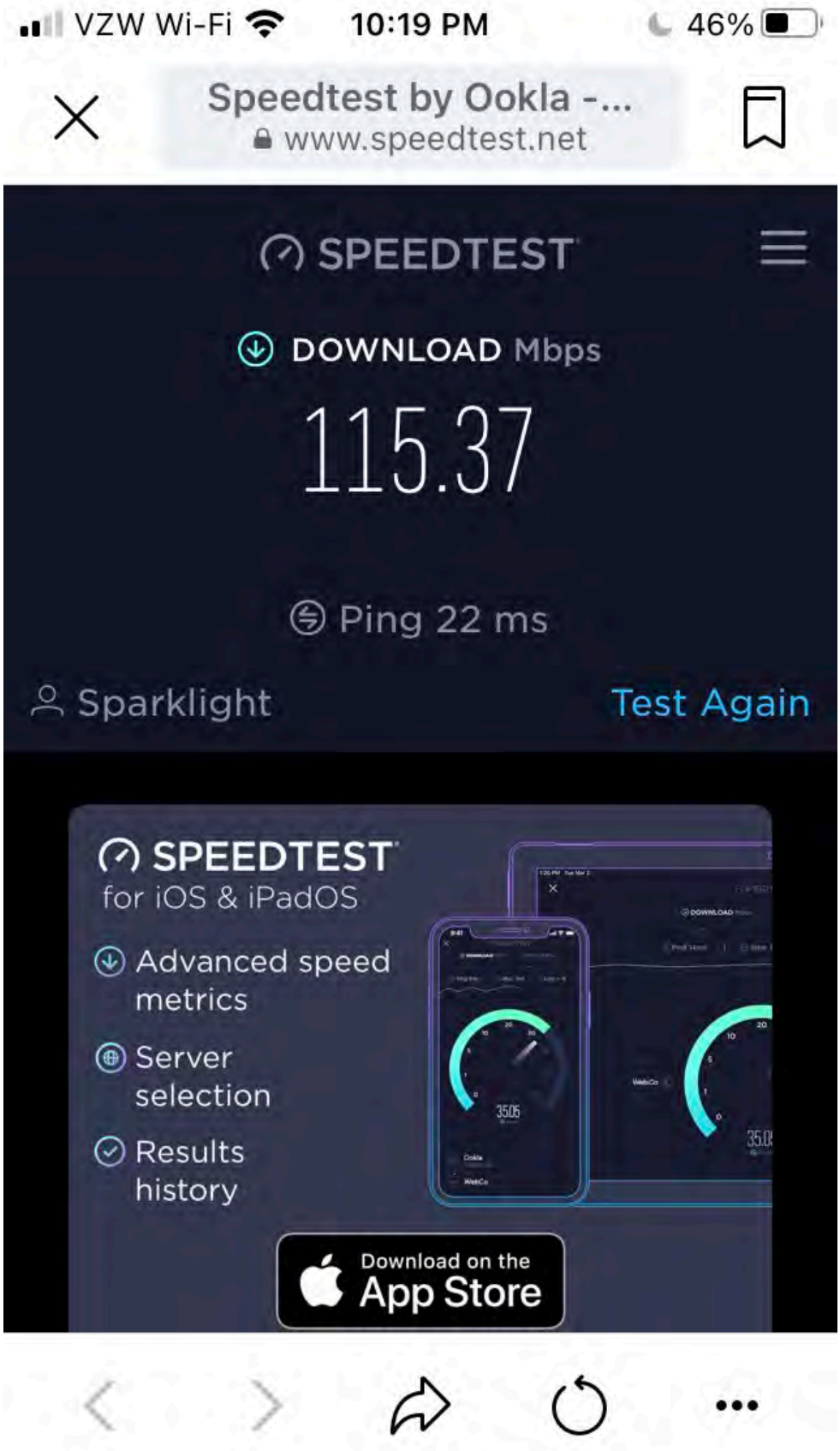
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Results history
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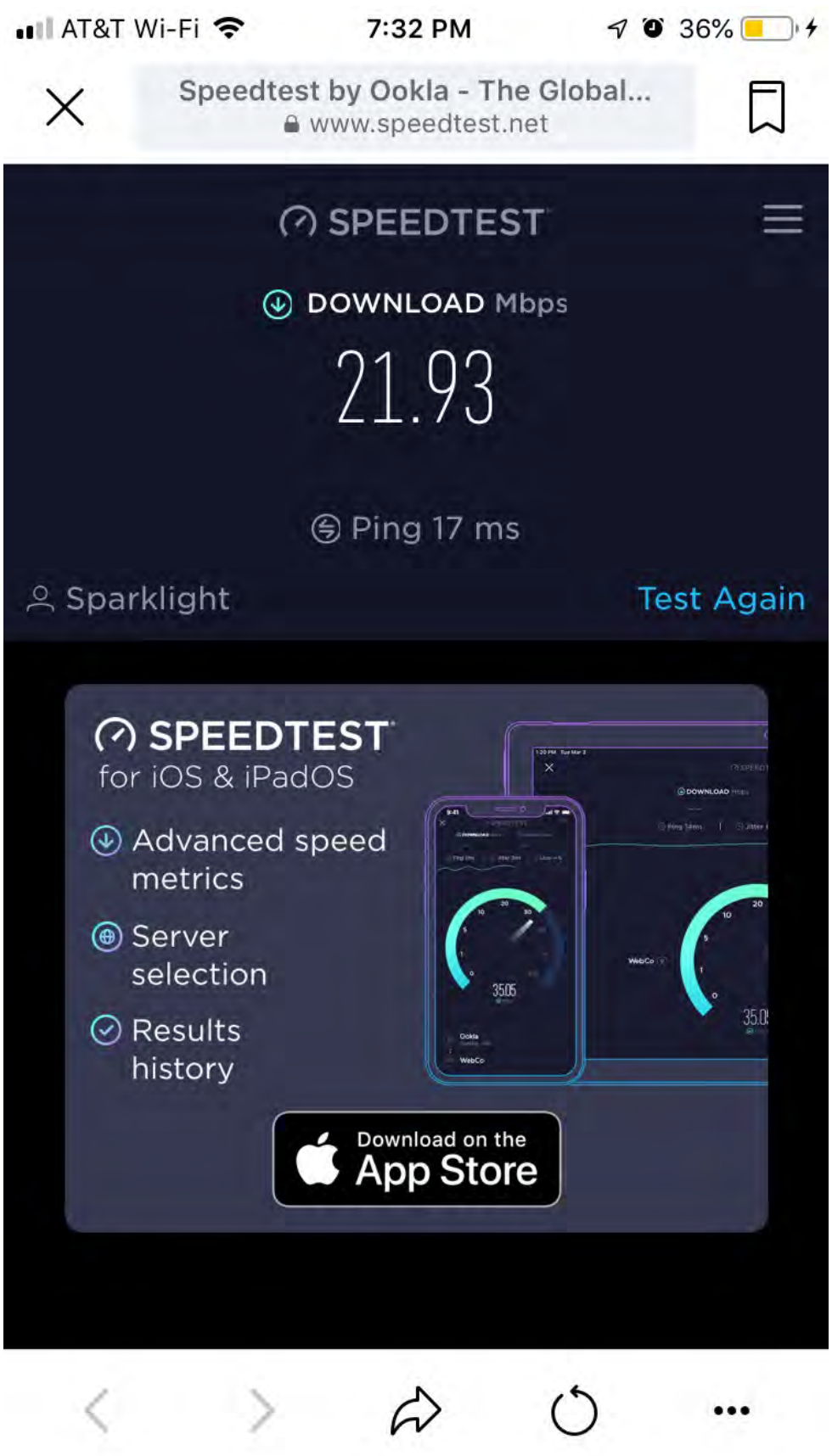
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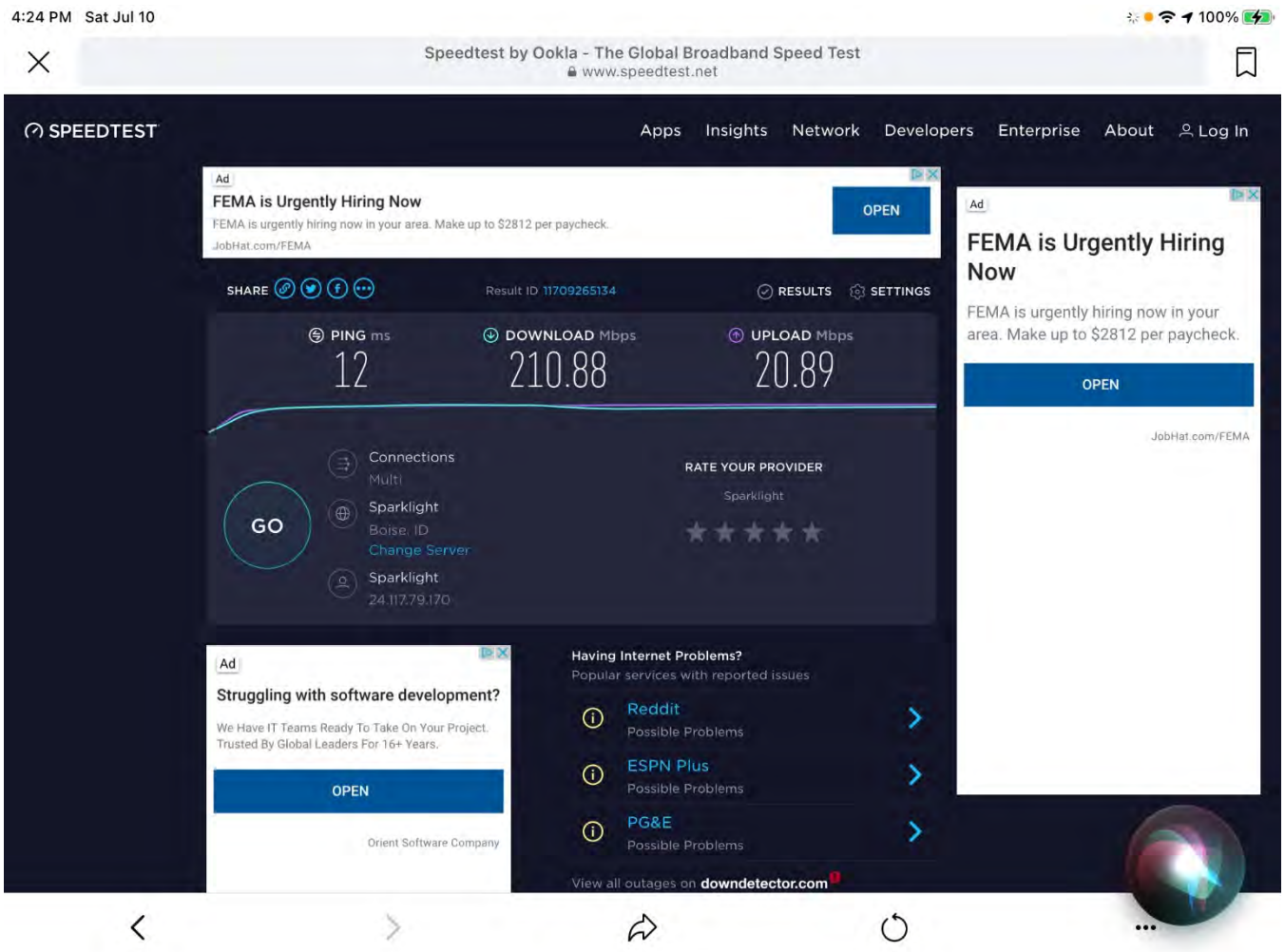
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FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
JobHat.com/FEMA
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Struggling with software development?
We Have IT Teams Ready To Take On Your Project. Trusted By Global Leaders For 16+ Years.
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Having Internet Problems?
Popular services with reported issues
Reddit
Possible Problems
ESPN Plus
Possible Problems
PG&E
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FEMA is urgently hiring now in your area. Make up to $2812 per paycheck.
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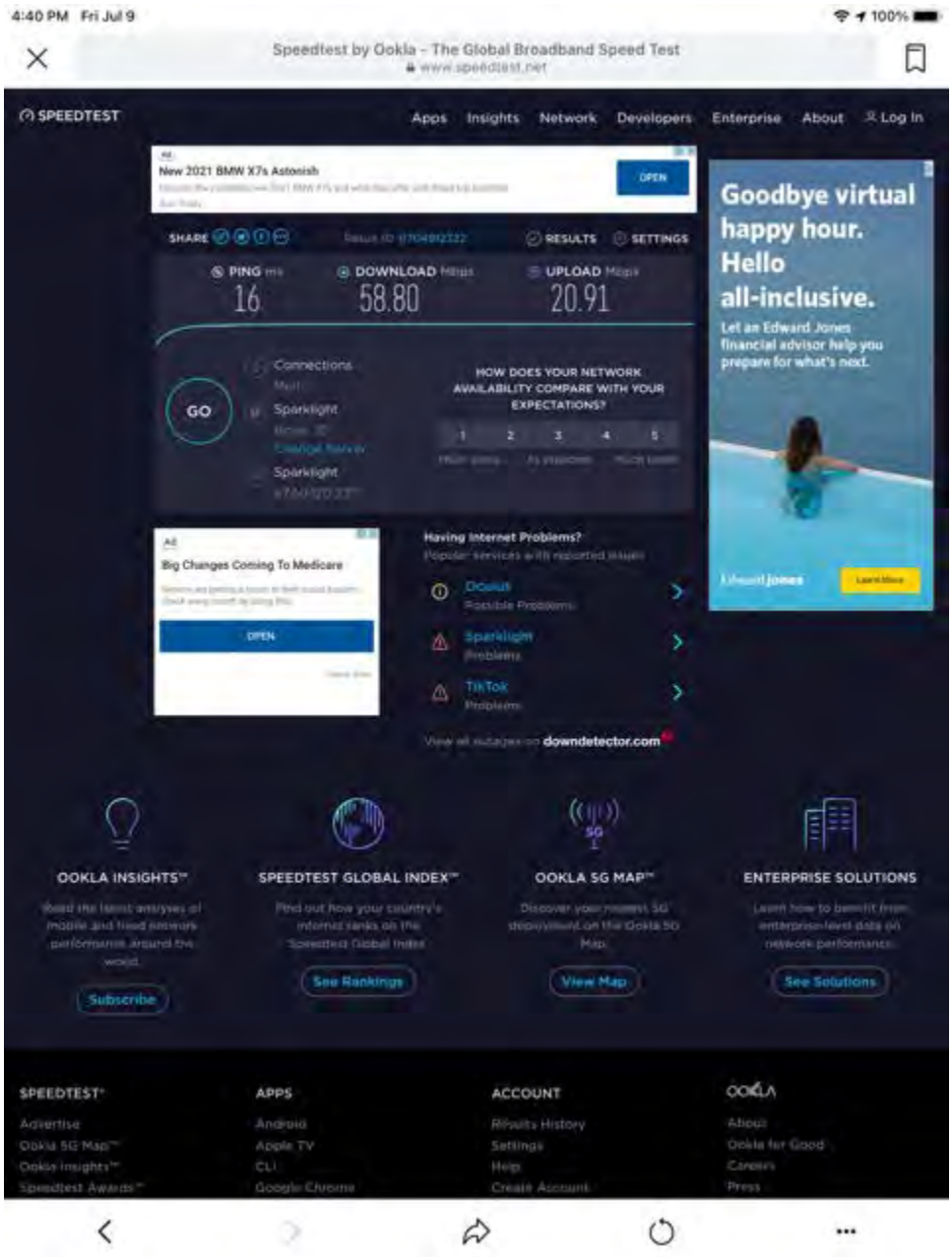
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Sparklight
HOW DOES YOUR NETWORK AVAILABILITY COMPARE WITH YOUR EXPECTATIONS?
1
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4
5
Goodbye virtual happy hour. Hello all-inclusive.
Let an Edward Jones financial advisor help you prepare for what's next.
Edward Jones
Learn More
Ad
Big Changes Coming To Medicare
OPEN
Having Internet Problems?
Popular services with reported issues
Ookla
Possible Problems
Sparklight
Problems
TikTok
Problems
View all outages on downdetector.com
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Find out how your country's internet ranks on the Speedtest Global Index
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Discover your nearest 5G deployment on the Ookla 5G Map
View Map
ENTERPRISE SOLUTIONS
Learn how to benefit from enterprise-level data on network performance
See Solutions
SPEEDTEST®
Advertise
Ookla 5G Map™
Ookla Insights™
Speedtest Awards™
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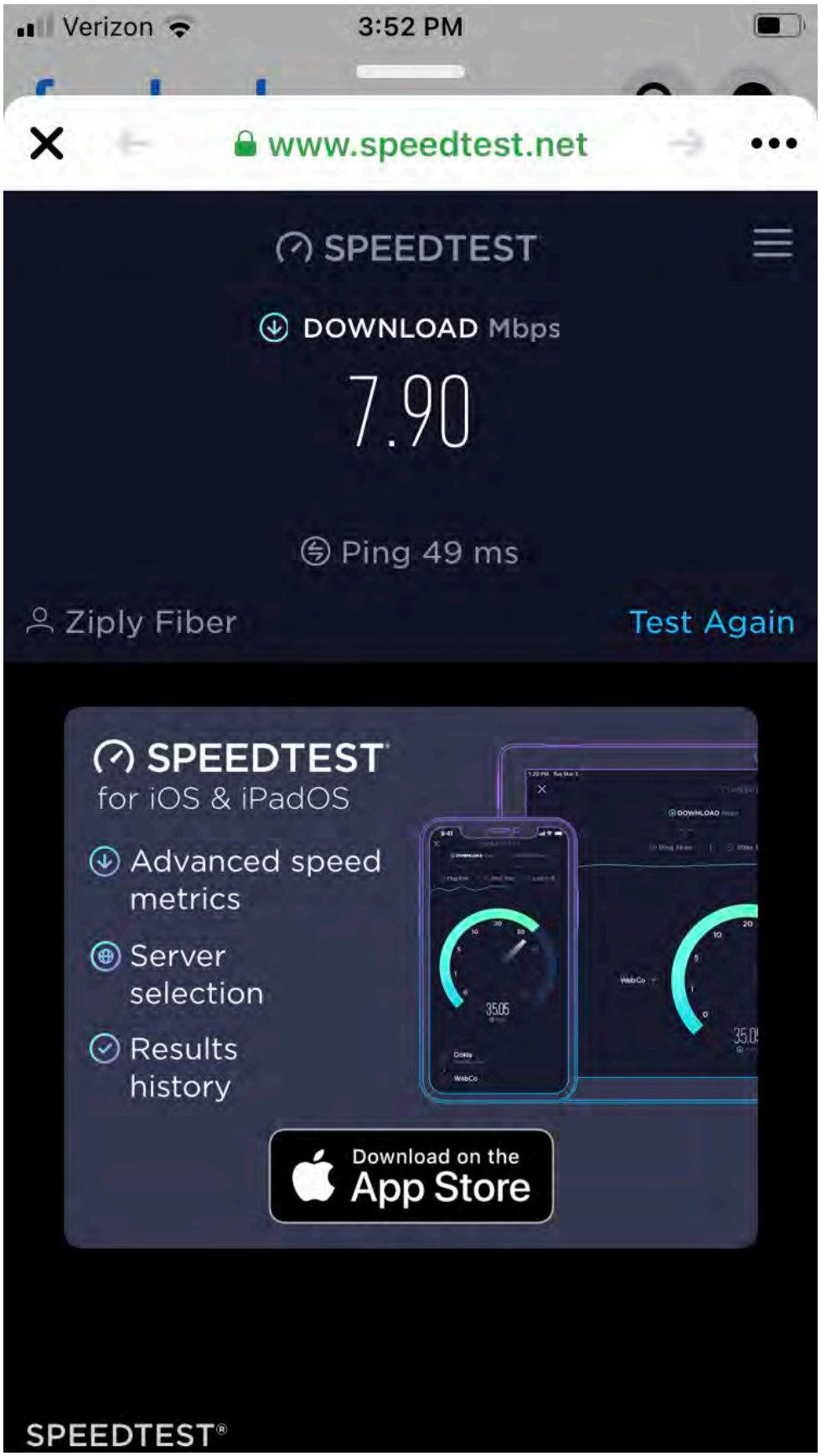
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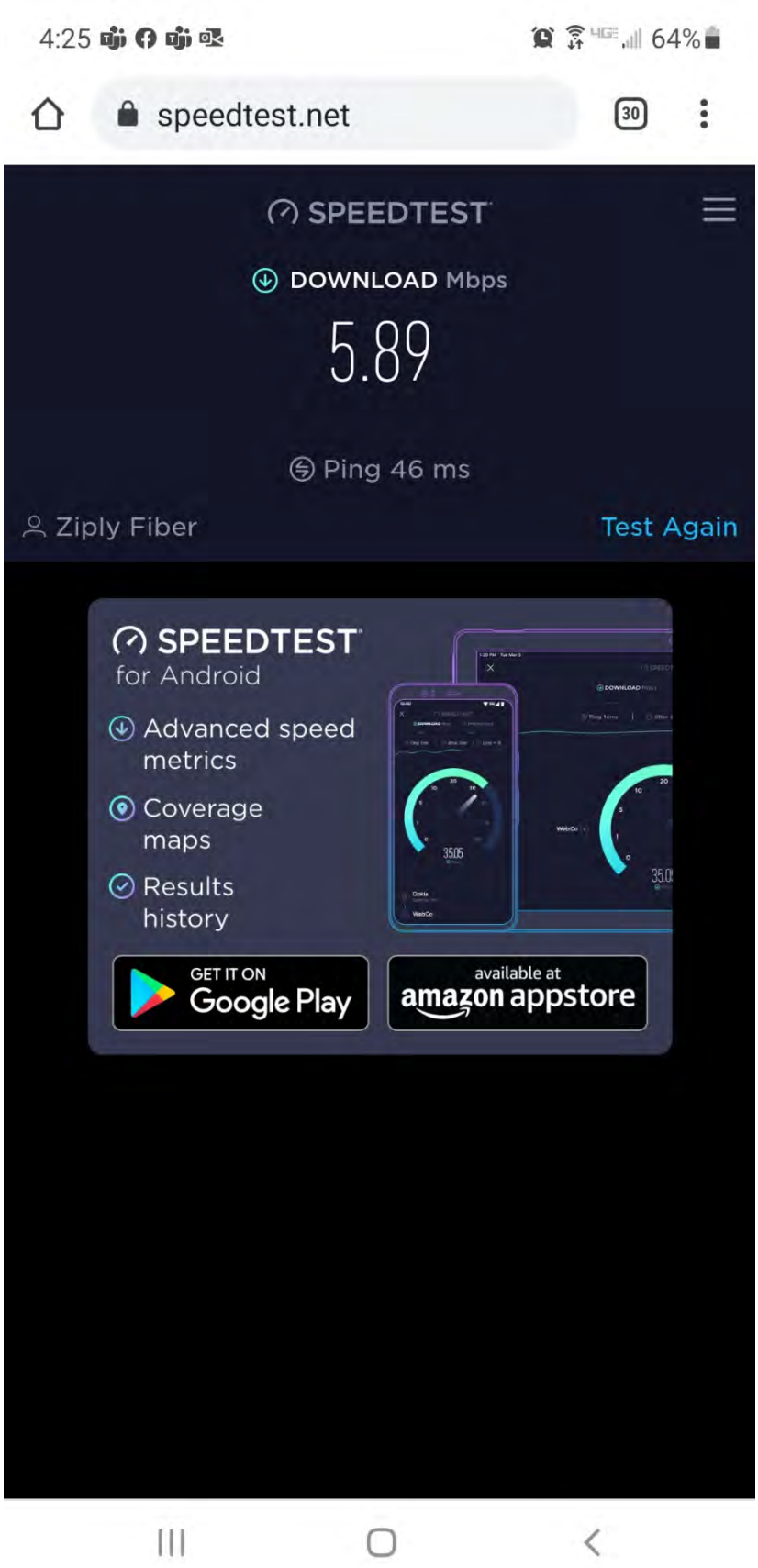
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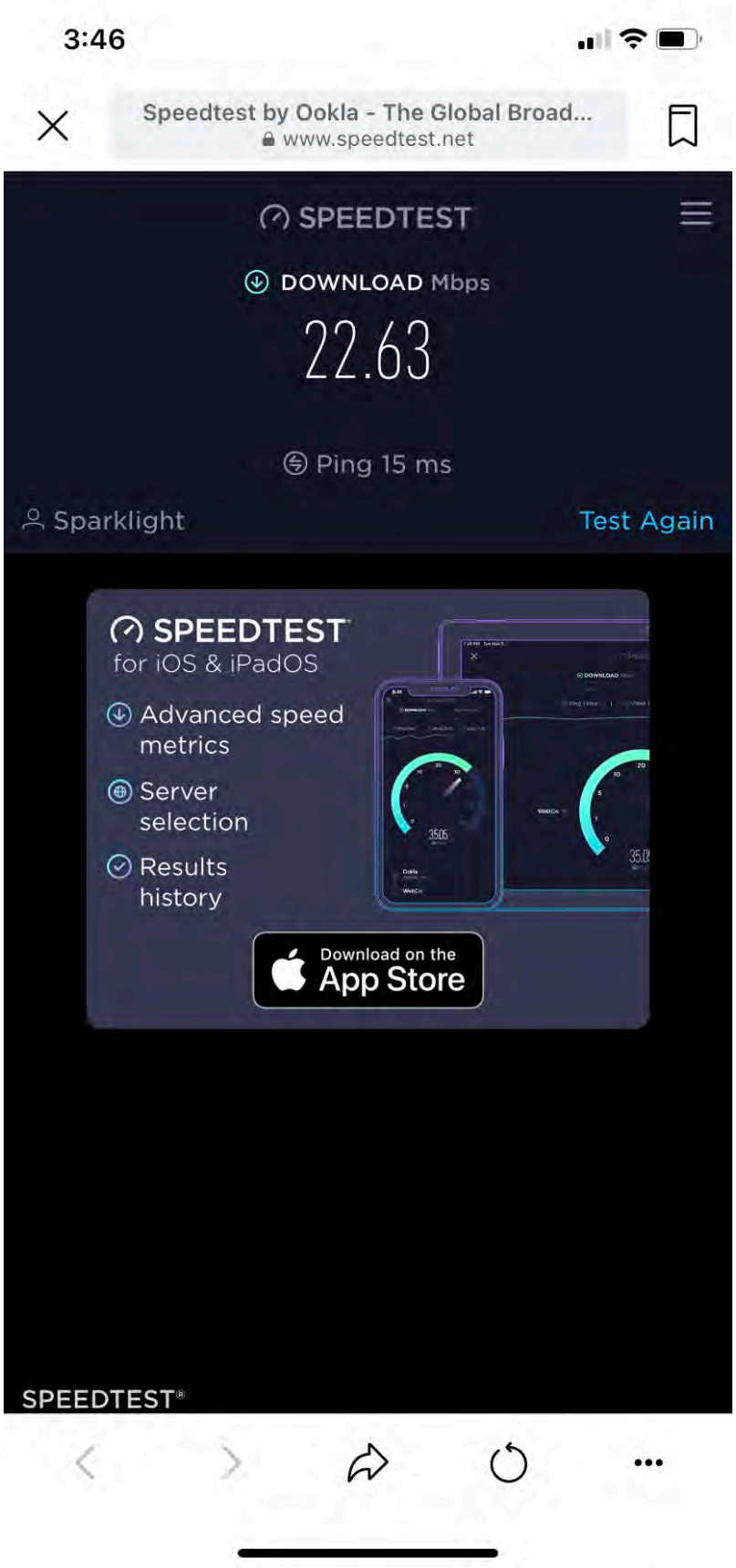
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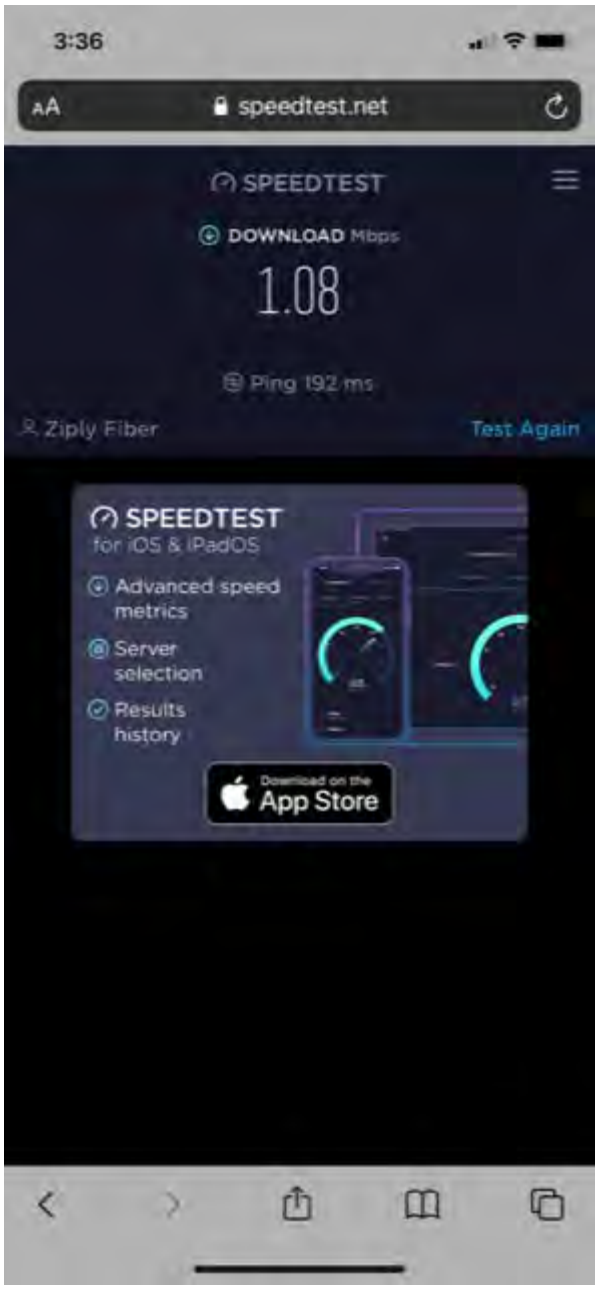
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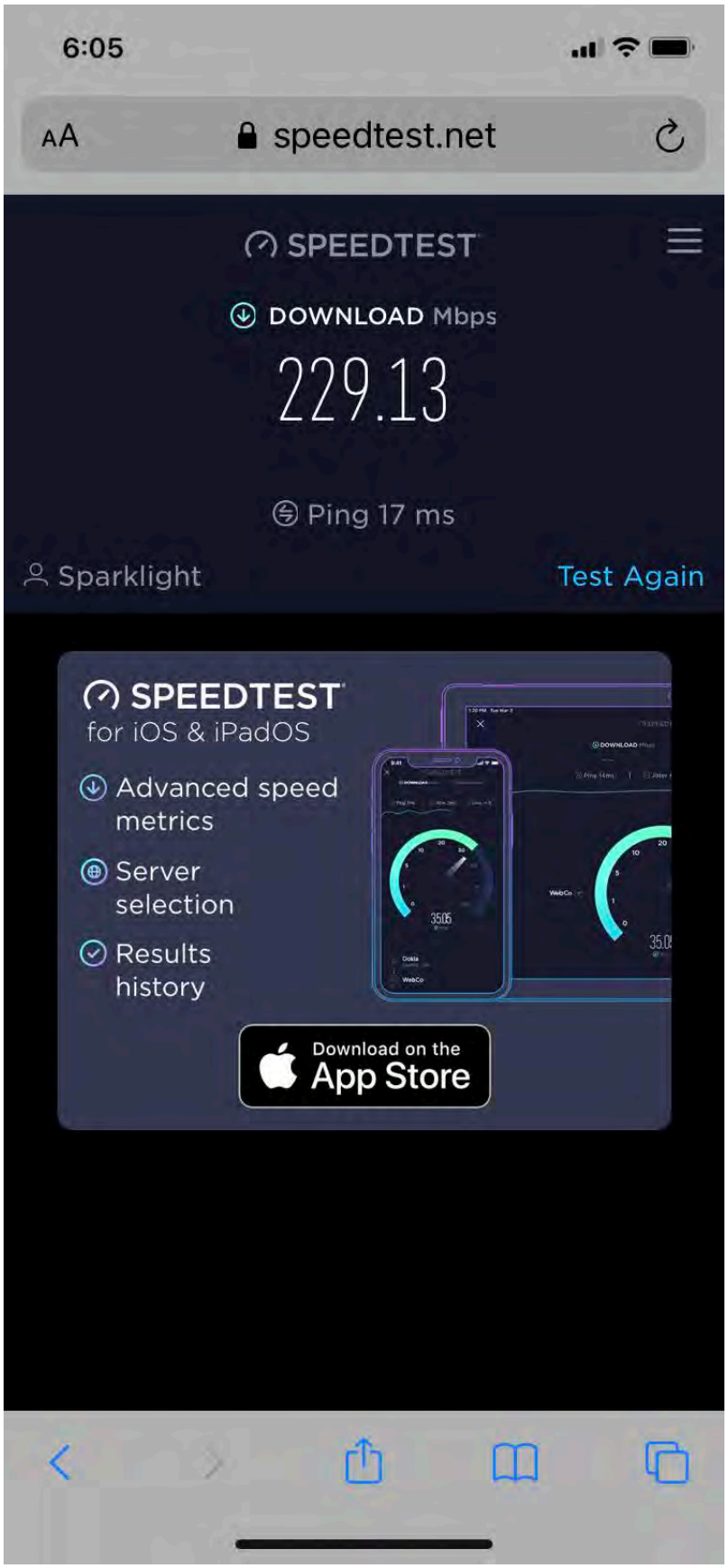
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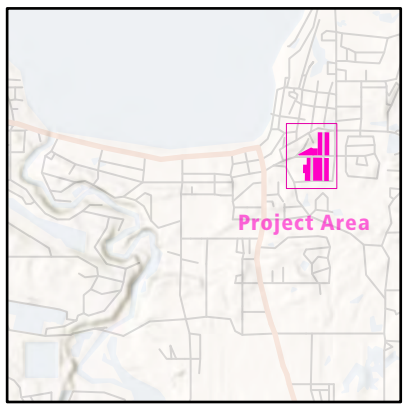
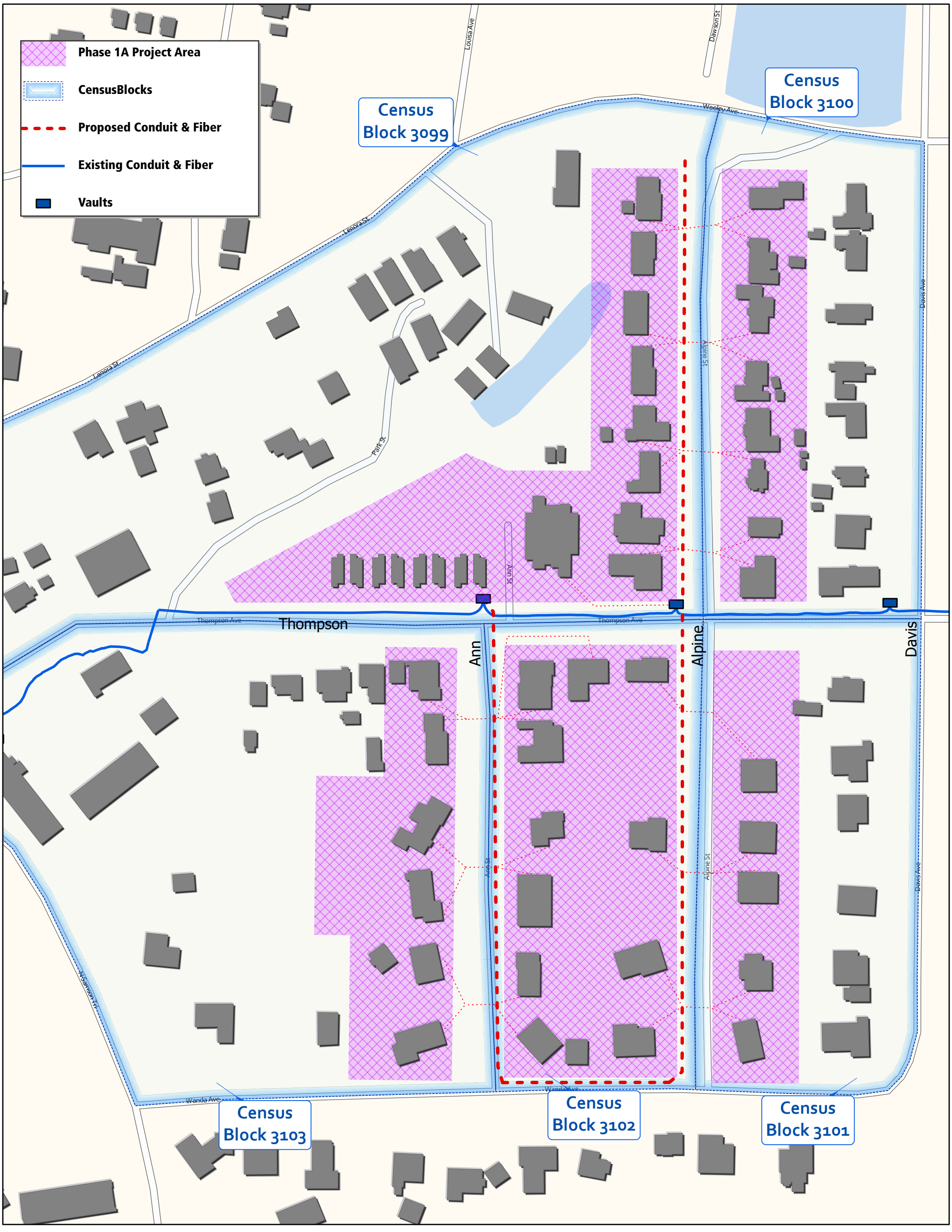
City of McCall IDAHO

RAPID Fiber Pilot Project
Local Housing
Phase 1A



Number of Households 55
Current Technology: Private sector copper, fiber, DSL
Current Speeds: 25/3 or lower
Proposed Technology: Fiber to household
Proposed Speeds: 1G/1G



RAPID McCall - Pilot Neighborhood

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

RAPID McCall - Pilot Neighborhood

Idaho CARES Act Broadband Grant Budget

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City of McCall

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-7142
Fax 208-634-3038

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO
COUNTY OF VALLEY

The undersigned, Robert S. Giles, representing City of McCall, 216 E. Park Street, McCall, Idaho 83638, hereby swear (affirm) that:

1. I am Mayor of City of McCall and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria as follows:
    i. Facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions; and
    ii. Improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions; and
    iii. Enhance communications capability of for public safety and enforcement by local emergency services related to COVID-19.

RAPID, the City of McCall's effort to establish underground fiber as critical infrastructure will, in partnership with private internet service providers, create an open access fiber network for public facilities, business and residential customers that will increase access to high speed internet so that employees, students, healthcare workers and public service officials can telework, distance learn, conduct business and facilitate public safety efforts during emergencies such as the COVID-19 pandemic.

Robert S. Giles
Signature

July 12, 2021
Date

SUBSCRIBED AND SWORN before me on this 12 day of July, 2021

BESSIEJO WAGNER
COMM NO. 52467
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES: JULY 24, 2026

Bessiejo Wagner
Notary Public for IDAHO
Residing at McCall, ID
Commission expires 7/24/24

City of McCall
INFORMATION SYSTEMS

www.mccall.id.us

216 East Park Street
McCall, Idaho 83638

Phone 208-634-8547
Main 208-634-7142
Fax 208-634-3038

The City of McCall is seeking a CARES grant to support the RAPID fiber utility. This grant would be used to install fiber to the home in the Ann St\Alpine St area of the City to act as a pilot project. This project would install fiber underground to the homes in the area and provide service to these homes on a trial basis. This install will target workforce and affordable housing. The population in this area is primarily full-time year-round community members. The below homeowners would be interested in participating in this program.

Name	Address	Signature	Phone #
Matthew Caldwell	1102 Alpine Street		208-630-4624
Steve Jones	2064 Lenora Suite B Ambient Medium		208-630-6497
Joel Hellerman	907 Ann St		208-469-9800
Chris Bates	909 Ann St.		208-469-9842
Dan Krahn	906 Ann St.		208-634-7518
Pat McDevitt	599 Thompson #101		503-896-3130
T.J. Brady	599 Thompson #202		208-870-4142
Anthony Henry	599 Thompson #201		208-469-9015
Brett Bergeron	595 Thompson #102		978-766-7041
Zach VanWinkle	597 Thompson #202		208-315-3689

WEST CENTRAL MOUNTAINS
ECONOMIC DEVELOPMENT COUNCIL
Valley County · Cascade · Donnelly · McCall · Meadows Valley

Director Tom Kealey
Idaho Dept. of Commerce
RE: CFAC Broadband Grant

The West Central Mountains Economic Development Council fully supports the City of McCall's grant funding request for Broadband, available through CFAC/Commerce as part of the CARES Act. With an influx of 10,000+ visitors each week in the summer and winter months, available bandwidth is frequently strained for residential and enterprise systems alike. Moving to a FTTH configuration will allow McCall to add middle mile services relieving some of this pressure.

The following projects are shovel ready and capable or being completed before the December deadline. We believe they are high value projects that align with the community's long term needs for enhanced broadband capabilities.

1. Install conduit route along Deinhard. Fiber pulling and splicing – installation and termination of 96 fiber in existing backbone routes. ~4 miles (Includes public Wi-Fi locations)
2. Beta testing neighborhood – up to 55 homes to show proof of concept for RAPID fiber utility

We encourage you to consider funding their projects.

Thank you for your time and consideration,

Andrew Mentzer, on behalf of the West Central Mountains EDC board of directors
WCMEDC.org
208.703.0161

RE: Broadband Grant

Dear Director Kealy and Idaho Dept. of Commerce,

I write to you on behalf of the McCall Area Chamber of Commerce and Visitors Bureau (MACCVB) in full support of the City of McCall's grant funding request for Broadband, available through Commerce as part of the CARES Act.

The MACCVB is the concerted voice of local businesses, promoting and protecting their interests as well as the interests of the community at large. We are committed to maintaining a healthy community with a sought-after quality of life featuring year-round recreational opportunities and a thriving economic climate.

With an influx of visitors each week in the summer and winter months, and bandwidth is consistently strained for residences and businesses alike. Moving to a FTTH configuration will allow McCall to add middle mile services relieving some of this pressure so we continue to thrive and operate to the best of our abilities. The following projects being applied for by the City of McCall are shovel ready with planned completion by the Dec. 31 requirement:

- Install conduit route along Deinhard Lane. Fiber pulling and splicing – installation and termination of 96 fiber in existing backbone routes. ~4 miles (Includes public Wi-Fi)
- Beta testing neighborhood – up to 55 homes to show proof of concept for RAPID fiber utility

We ask for strong consideration to fund their application as another great step in the right direction to getting us "up to speed" where we need to be.

Thank you in advance for your consideration.

Sincerely,
Tammy McCloud
President of the McCall Area Chamber of Commerce & Visitors Bureau

P.O. Box 350 | 605 N. 3rd Street | McCall, ID 83638
P: 208.634.7631
info@mccallchamber.org
www.mccallchamber.org

City of McCall IDAHO

Broadband Master Plan

Prepared for the McCall City Council

July 2020

– Prepared By –

ENTRY POINT NETWORKS

www.entpnt.com

City of McCall

Broadband Master Plan

July 2020

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Executive Summary

In addition to lowering costs and delivering significant improvements in network speeds, additional objectives for the network include positively impacting economic development, livability, public safety, education, healthcare, emergency communications, smart grid, efficient government services, universal access, environmental stewardship and smart city initiatives.

The McCall, Idaho InfoSys Department has worked with EntryPoint Networks to develop this Broadband Master Plan to assist with a planning and decision-making process for deploying and operating broadband infrastructure for its municipal fiber deployment within the City of McCall. The information in this report will be used to assist in the planning and implementation of a network that seeks to lower broadband costs and increase network value for residents, commercial entities, and anchor institutions. Additionally, this report is designed to assist City leaders in understanding the operational implications, important risk factors, and a realistic cost framework for developing and operating city owned fiber optic infrastructure.

The Broadband Master Plan is a living document that will evolve as the City completes the backbone and pilot phase of the network and as it progresses from planning to implementation to operational activities.

In addition to lowering costs and delivering significant improvements in network speeds, additional objectives for the network include positively impacting economic development, livability, public safety, education, healthcare, emergency communications, smart grid capabilities, efficient government services, universal access, environmental stewardship and smart city applications.

City leaders will be able to use this document to lay the groundwork to solve near-term and long-term challenges. This report seeks to provide the data needed for City leaders to thoughtfully plan and implement a strategy that will benefit residents, businesses, and anchor institutions for years to come. The key focus of the report is on the following primary activities:

1) Network Design & Architecture
2) Construction
3) Network Operations
4) Customer Acquisition
5) Risk Management

Strategy

Deploying a large-scale fiber optic network is a significant public works and information technology project.

Key Strategic Ideas guiding this Plan include the following:

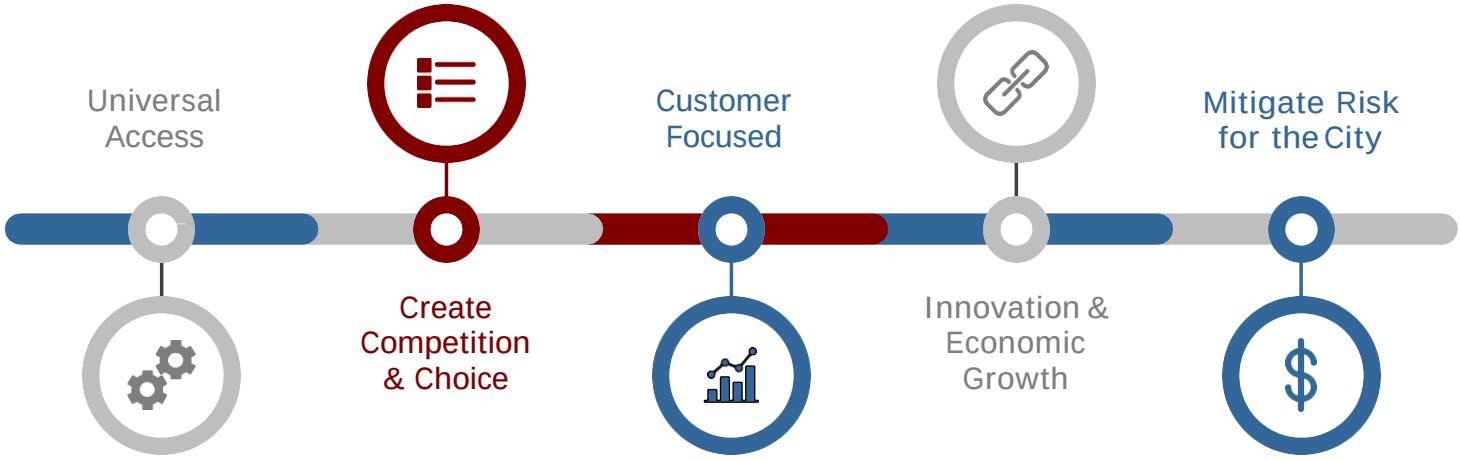
1. **Universal Access** – The economy is now an information economy and the importance of digital infrastructure continues to grow in significance. The City of McCall has an interest in ensuring that the City has robust digital infrastructure and adopts policies and projects that make 1 Gig network access available and affordable throughout city limits.

2. **Foster Competition & Choice** – The City seeks to understand initiatives that will increase the number of service providers and types of services that are available to McCall residents.

3. **Focus on Customers** – City leaders seek to understand the needs and interests of network stakeholders and then align policies, initiatives, and projects with those interests.

4. **Foster Innovation & Economic Development** – City leaders are interested in leveraging the network to foster entrepreneurship and business development throughout McCall.

5. **Mitigate Risk for the City, Constituents, and Partners** –City leaders are particularly interested in implementing a business model which mitigates financial and operational risks to the City and its partners while at the same time helping the City achieve its other objectives.



Infrastructure

Comparison of Available Media

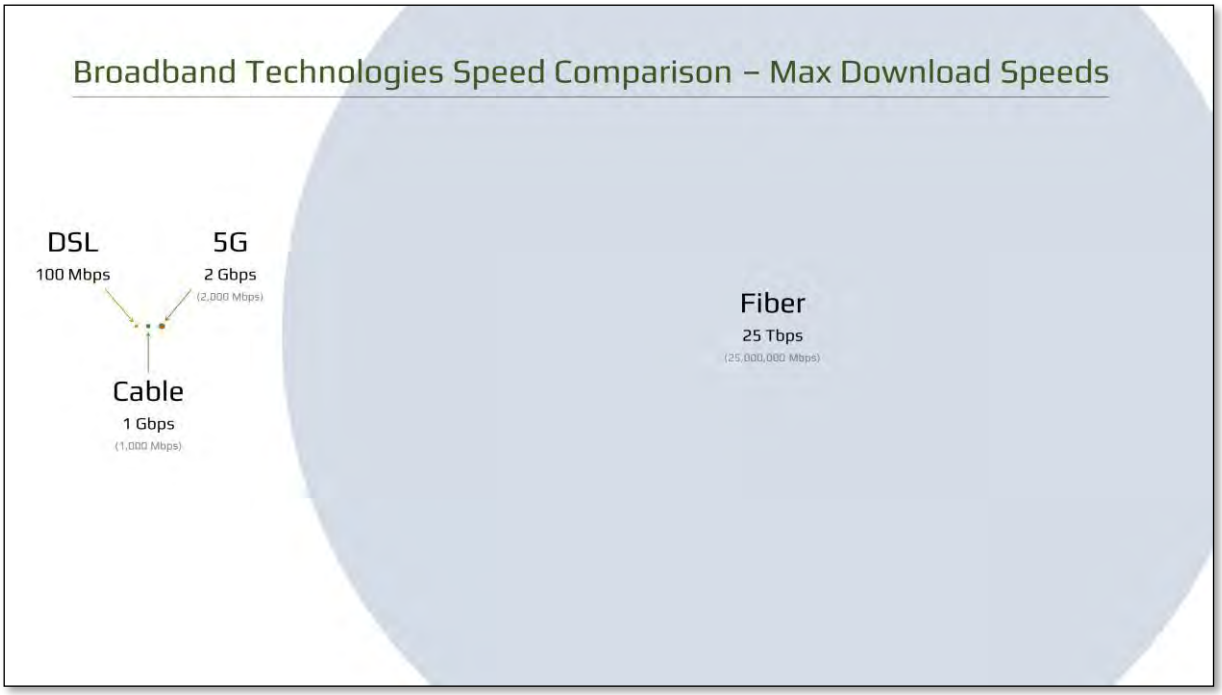
The primary media used for internet access today in the United States includes DSL, Cable, Wireless and Fiber Optic cable.

DSL stands for Digital Subscriber Line and it is one of the technologies used to provide Internet connectivity to homes and businesses. DSL uses existing telephone lines and a transceiver to bring a connection into a home or business and allows the household to use the Internet and make telephone calls at the same time. Frontier / Ziply is the incumbent telephone company in McCall and uses DSL technology. DSL is asymmetrical (the download speed is much faster than the upload speed) and is capable of download speeds up to 100 Mbps (Mega Bits Per Second). However, most consumers accessing the internet via DSL access speeds between 5 – 25 Mbps.

Coaxial Cable uses copper cable designed with one physical channel that carries the signal surrounded by a layer of insulation and then another physical channel, both running along the same axis – hence the coaxial name. Coaxial cable is primarily used by cable TV companies to connect transmission facilities to customer homes and businesses to deliver cable T.V. and internet access. Charter/Spectrum is the incumbent cable company in the McCall area. Coaxial Cable is asymmetrical and is capable of download speeds up to 940 Mbps.

Fiber Optic Cable sends information down strands of glass known as optical fibers which are about the size of a human hair. These fiber optic strands are capable of transmitting 25 Tbps (Tera Bits Per Second) today and researchers have successfully demonstrated a transmission experiment over 1045 km (kilometers) with a data-rate of 159 Tbps *(https://phys.org/news/2018-04-fiber transmission.html)*. Fiber-optic cables carry information between two places using optical (light-based) technologies which convert electrical information from the computer into a series of light pulses. Fiber Optic Cable is capable of symmetrical speeds up to 25 Tbps.

Because the difference in capacity between fiber optics and alternative media is so significant, **fiber optics should be the foundational media for any new broadband infrastructure project when financially feasible.**



Wireless Internet access is made possible via radio waves communicated to a person's home computer, laptop, smartphone, or similar mobile device. Wireless Internet can be accessed directly through providers like AT&T Wireless, Verizon Wireless, T-Mobile or by a Wireless Internet Service provider (WISP).

5G is the 5th generation of technology used in cellular networks and refers to a standard for speed and connection. Because of the extensive marketing around the emergence of 5G, many people wonder whether 5G will replace fiber optic cables. In fact, 5G depends on fiber optic infrastructure. All wireless technologies work best the faster they get back to fiber optics. The graphic above is not to scale (fiber has much greater capacity than the illustration represents) but this illustrates the magnitude of the difference between the different media types. The emergence of 5G is very early but there is a potential revenue opportunity for 5G carriers to operate on City infrastructure and contribute to the ongoing cost of network operations. Cellular networks can be symmetrical or asymmetrical and are sometimes capable of download speeds up to 2,000 Mbps

Wi-Fi is common in homes and commercial buildings and is a way to deliver a network connection from a network hub over a wired connection to wireless devices via a wireless access point. Most people access the internet over a WiFi connection, but it is important to remember that wireless connectivity ultimately depends on a wired connection and wireless access works best the faster it gets back to a wire.

Impact of Bandwidth on Applications

Length & Type of Media	Approx Size	10 Mbps	20 Mbps	100 Mbps	1,000 Mbps
4-Minute Song	4 MB	3 sec	1.5 sec	0.3 sec	0.03 sec
5-Minute Song	30 MB	26 sec	13 sec	2.5 sec	0.2 sec
9-Hour Audio Book	110 MB	1.5 min	46 sec	9.2 sec	0.9 sec
45-Minute TV Show	200 MB	3 min	1.5 min	16 sec	1.7 sec
45-Minute HDTV Show	600 MB	8.5 min	4 min	50 sec	5 sec
2-Hour Movie	1.0-1.5 GB	21.5 min	10.5 min	1.5 min	8 sec
2-Hour HD Movie	3.0-4.5 GB	60 min	32 min	4.5 min	25 sec
Large Archive File	10 GB	Too Long	Slow	Better	80 sec

Upload vs Download Speeds

In addition to the fact that fiber optics offer exponentially greater bandwidth than DSL and cable, fiber optic cable also offers the ability to deliver symmetrical speeds. In an asymmetrical connection, the download speeds are much faster than upload speeds.

Upload speed is the amount of data a person can ***send*** in one second and download speed is the amount of data a person can ***receive*** in one second. Upload speeds can be especially important for businesses, including home-based businesses or people who work from home. Applications that depend on good upload speeds include sending large files, cloud applications like Google Docs and Dropbox, VoIP, FaceTime, Skype, hard drive backups and In-house web hosting.

Assessment of Existing Broadband Infrastructure

A 2017 Deloitte Consulting analysis summarizes the current needs and realities for legacy broadband infrastructure in the United States this way:

"*The United States requires between $130 and $150 billion over the next 5–7 years to adequately support broadband competition, rural coverage and wireless densification.*"

Despite the demand and potential economic benefits of fiber deployment, the United States lacks the fiber density in access networks to make the bandwidth

advancements necessary to improve the pace of innovation and economic growth.

Some wireline carriers are reluctant or unable to invest in fiber for the consumer segment despite the potential benefits. Expected wireline capital expenditures range between 14–18 percent of revenue. Wireline operating expenditures can be 80 percent of revenue. Fiber deployment in access networks is only justified today if a short payback period can be guaranteed, a new footprint is being built, repairs from rebuilding after a storm or other event justifies replacement, or in subsidized geographies where Universal Service funds can be used. The largest US wireline carriers spend, on average, five to six times more on operating expenses than capital expenditures. Excessive operating expenditures caused, in part, by legacy network technology restrict carriers' ability to leverage digital technology advancements. Worse, as legacy networks continue to descale, the percentage of fixed costs overwhelms the cost structure leading to even greater margin pressure."

Citation: https://www2.deloitte.com/content/dam/Deloitte/us/Documents/technology-media-telecommunications/us-tmt-5GReady-the-need-for-deep-fiber-pov.pdf

Deloitte.

"The United States requires between $130 and $150 billion over the next 5–7 years to adequately support broadband competition, rural coverage and

"The primary finding of the Deloitte report is that legacy infrastructure needs to be replaced with Fiber Optic cable in the near-term to meet bandwidth demands."

The Deloitte report is not specific to infrastructure in McCall, Idaho, but the conclusions from the Deloitte report are generally applicable. **Telco and Cable operators in U.S. cities often have fiber to an aggregation point and then legacy infrastructure from the aggregation point to the premise.**

The primary finding of the Deloitte report is that legacy infrastructure needs to be replaced with Fiber Optic cable in the near-term to meet bandwidth demands. There is no indication that incumbents intend to replace legacy infrastructure with Fiber Optic infrastructure in the near term and even if they did, this upgrade would solve the base infrastructure problem but it would not solve for the lack of competition or premium pricing for Gig speeds.

Legacy copper and coaxial infrastructure will need to be replaced with state-of-the-art infrastructure in order to meet the ever-growing demands for greater bandwidth and faster speeds. An important question is whether unique value can be derived by having the City and its residents own and control this infrastructure or whether private companies should continue to own and operate all communications infrastructure.

Ideal infrastructure includes more than just the fiber optic cables running throughout the City. Important infrastructure considerations include the electronics at both ends of the fiber as well as systems that manage and control the network. As the City deploys its infrastructure, the following are important considerations guiding its decision-making framework:

- **Capacity & Speed:** The demand for bandwidth and speed will continue to grow.
- **Emerging Services and Applications:** 5G, connected vehicles, edge computing, and virtual reality are all examples of emerging applications that have infrastructure dependencies. An important consideration is how flexible the business model and technology systems are to enable whatever may come.
- **Local Control:** An advantage of a network that is locally controlled is that the network can be much more responsive to local needs and may enable innovation and adaptation for emerging opportunities.
- **Local Resilience:** Many communities are not locally resilient against attacks on internet infrastructure. It is possible to design networks in a way that provides residents and businesses with a network that is locally resilient if, for some reason, middle mile connections are severed.
- **Privacy & Security**: Subscribers are becoming increasingly sensitive to security, privacy, and confidentiality controls.
- **Risk Analysis**: Consideration of the risks for all potential network stakeholders is an essential part of the planning process.

Market Analysis

In McCall, most residents and businesses subscribe to wireline internet services from the cable operator (Cable One/SparkLight) and telephone incumbent (formerly Frontier, now Ziply). Additionally, residents in McCall have a wireless connectivity option available through Wilderness Wireless.

SparkLight

SparkLight advertises the following residential ISP services in northern Idaho:

Speed (Mbps) [Down / Up]	Introductory Pricing [contract required]	Standard Pricing [not including taxes & fees]	Data Caps
100 / 10	$39.00	$55.00	300 GB
200 / 20	---	$65.00	600 GB
300 / 30	---	$80.00	900 BG
940 / 50	---	$125.00	1,200 GB

Shared Network – Speeds are “Up To” not guaranteed.
Speeds are not Symmetrical
Additional Data - $10.00 per 100 GB used
Availability depends upon location – not available in all areas.

Ziply Fiber

Ziply recently bought out the Frontier Communications infrastructure in McCall and advertises the following package in McCall:

Speed (Mbps) [Down / Up]	Introductory Pricing [contract required]	Standard Pricing [not including taxes & fees]
25 / 2	$41.00	$59.00

Shared Network – Speeds are "Up To" not guaranteed.
Speeds are not Symmetrical
Soft Data Caps apply to all service plans
Availability depends upon location – not available in all areas.

Wilderness Wireless

Wilderness Wireless offer the following residential services in McCall:

Speed (Mbps) [Down / Up]	Standard Pricing [not including taxes & fees]	Install Fee [not including taxes & fees]
8 / 2	$59.00	$129.00
10 / 3	$69.00	$129.00
12 / 4	$79.00	$129.00

Shared Network – Speeds are "Up To" not guaranteed.
Speeds are not Symmetrical
Soft Data Caps apply to all service plans
Availability depends upon location – not available in all areas.

Community Engagement Plan

This Community Engagement Plan is an outline of the marketing, community education, and customer acquisition activities the City may follow to attract and sign up subscribers to the network.

Please Note: The Plan outlined below is offered as a possible supplement to the McCall RAPID Marketing Plan created by the City's Communications Department, attached as Exhibit A.

Goals & Objectives

The objective of the *McCall Community Engagement Plan* is to achieve a minimum of a 60% take-rate for homes and businesses within the City. Additionally, a scale of 1,800 subscribers is an important target for the project to be operationally sustainable over the long run. In the financial section later in the report, the financial models are built to a target of a 60% take-rate. The modeling can easily be adjusted to match actual take-rates.

Evaluation & Education

Document the current state of broadband in McCall and determine the level of interest among residential users and business owners through surveys, neighborhood outreach, and door to door sales activities.

Community Survey

A City specific website (rapidmccall.com) has been deployed and includes a survey for residential and business owners and will be used to determine priorities for consumers and issues that are of particular interest to potential network customers. Responses will be used to develop an education and promotion program to increase understanding of the value proposition offered by the City.

Publish Educational Information

A website has been created and will be used to outline the core message of broadband as a utility and will educate potential subscribers on the value proposition offered by the City. Customized videos will be used to educate online visitors on the following:

a. Functionality of the community fiber network
b. Options for services
c. Frequently Asked Questions (FAQ's)
d. Inquiry Form where community members can submit questions to the City

Mapping Community Interest

The website will include an "I am interested" sign-up form with associated heat map where residential and business property owners can register as someone interested in City fiber.

Marketing &Promotion

Press Releases will be used to promote the City fiber program, drive traffic to the fiber website with the goal of educating community members and generate interest and encourage community participation in the survey. The City will also use all available social media platforms (Facebook, Twitter, etc.) to promote the fiber network.

Neighborhood Entrance and Yard Signs

As fiber construction begins in a neighborhood, McCall will post signs at neighborhood entrances announcing the construction to let residents know they can still sign-up to get connected while crews are in the neighborhood.

As homes are connected in the neighborhood, yard signs will be placed in the yards of subscribers indicating that the home is a new customer and will enjoy a fiber broadband connection.

The City will partner with an internet? Banner Ad company to deliver targeted Banner Ads to the neighborhoods that are next in line for sign-up and construction.

Grassroots Engagement

Open House Events

McCall will hold a series of Open Houses where residents and business owners can hear an educational presentation about the fiber project, become educated about the benefits of fiber and automated open access, and get questions answered.

Open Houses will be promoted using the City website, social media platforms, banner ads, flyers, and door hangers.

Open House events are intended to educate residents, promote the network, and identify Fiber Champions in the various neighborhoods (fiber zones). Fiber Champions are individuals that are committed to promoting the network within their neighborhood. Fiber Champions are also incentivized to be have their neighborhood prioritized for construction as construction will often move from highest to lowest demand.

Fiber Champions

Fiber Champions assist sales efforts within their designated neighborhood (fiber zone). They organize and lead Cottage Meetings where neighbors come together to discuss the McCall fiber program. McCall leaders and employees provide support to the Fiber Champions in their efforts. Fiber Champions drive conversations and contractual commitments of neighbors via the Door-to-Door Sales and Education campaign.

Door-to-Door Sales Effort

Network sales agents (typically an independent group representing the network) contact residents and business operators within the planned network footprint to answer questions about the network and ascertain the potential subscribers' intentions regarding their participation in the network. [Yes (Opt-in) or No (Opt-out)].

This direct person-to-person contact gives everyone in the community an opportunity to ask questions, clarify their understanding and express their level of interest in participating.

To maximize the effectiveness of this process, prior to canvassing a neighborhood, door hangers are distributed to every home and business informing property owners that a representative will be stopping by to explain the value proposition, answer questions and get their Opt-in / Opt-out decision.

It is important that McCall support this effort through public notifications, press releases, mass emails, websites, social media sites, mobile applications, and other community outreach venues available to McCall. This may include outside professional marketing and/or PR firms.

The Door-to-Door Sales campaign can be funded via a network sign-up fee.

Business Model – Automated Open Access

Automated Open Access is a model where the network operator places electronics at both ends of the network and subscribers can dynamically select service providers in real-time. Software Defined Networking is used to automate various network management tasks.

In this model, multiple service providers can deliver services simultaneously and independently across a single wire. When a subscriber selects a new service provider, the provisioning is done using automation and therefore happens on-

demand. The automated provisioning creates a marketplace for services which includes ISP's and private networks for other services. The ability to switch service providers on demand increases choice and competition. This network model also includes the ability to provide local network resilience via local communications if connections over the middle mile are down.

Network Design

The Automated Open Access model uses a Switched Ethernet Network architecture rather than a Passive Optical Network (PON) architecture.

Switched Ethernet Network

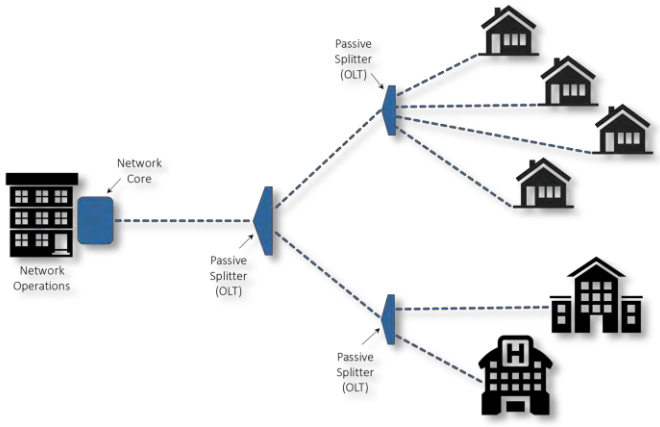
The Switched Ethernet architecture provides a dedicated connection for each customer rather than a shared connection and the customer experience is significantly better than in a shared architecture. This is due to the fact that the throughput of switch-based architecture is superior to a bus-based architecture during times of network congestion.

Passive Optical Network (PON)

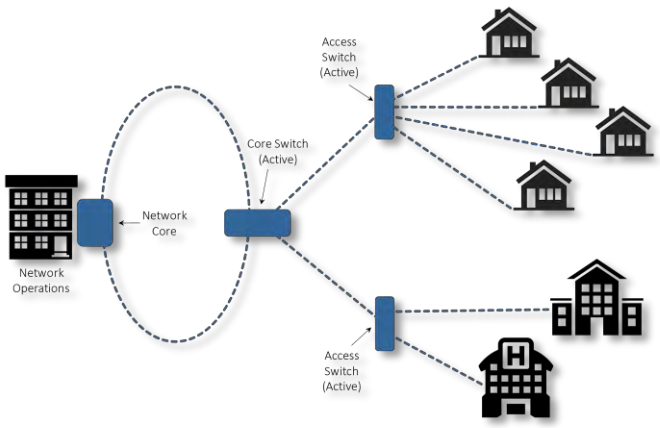
Passive Optical Networks (PON) and Coaxial (Cable) networks follow a Bus architecture.

A Bus architecture is a shared architecture. A splitter is placed in the field and a connection is often shared between 32 or 64 premises. The Bus Architecture leads to more packet collisions on the network which can result in high amounts of packet loss during congestion. Additionally, it is more difficult to isolate and troubleshoot faults in the network with a bus topology.

Passive Optical Network (PON) Design



Switched Ethernet Network Design



Proponents of PON Architecture will argue that PON is less expensive than an ethernet design. That was true historically. The illustration below shows that the variable costs of a switched ethernet deployment is now equal to PON. This change in pricing differences was driven by the fact that all Data Center deployments use Switched Ethernet architectures and the enormous growth of Data Centers over the past 20 years has driven down the cost of Ethernet electronics.

PON - Network Access Equipment

Description	Unit Cost	Qty	Extended Cost
Install Package	$696.50	1	$696.50
OLT	$4,196.50	2	$8,393.00
10GE SFP+	$837.90	2	$1,675.80
2x 1GE BIDI CSFP	$157.50	24	$3,780.00
Access Line-up			$14,545.30
Number of Subscribers Served			96
Average Cost per subscriber			$151.51

Ethernet - Network Access Equipment

Description	Unit Cost	Qty	Extended Cost
Switch	$1,700.00	2	$3,400.00
SFP	$12.00	96	$1,152.00
Access Line-up			$4,552.00
Number of Subscribers Served			96
Average Cost per subscriber			$47.42

PON - Premise Equipment

Description	Unit Cost	Qty	Extended Cost
Indoor ONT	$225.15	1	$225.15
Power supply for 700GE ONT	$12.00	1	$12.00
Premise Line-up			$237.15
Number of Subscribers Served			1
Average Cost per subscriber			$237.15

Ethernet - Premise Equipment

Description	Unit Cost	Qty	Extended Cost
White Box VBG	$330.00	1	$330.00
1000Base 1310nm-Tx/1550nm RX 10km	$9.00	1	$9.00
Premise Line-up			$339.00
Number of Subscribers Served			1
Average Cost per subscriber			$339.00

Per Premise PON Equipment Costs

Total cost per Subscriber	**$388.66**

Per Premise Ethernet Equipment Costs

Total cost per Subscriber	**$386.42**

Project Partners

Middle Mile

"Middle-mile" is an industry term that describes the network infrastructure that connects local networks to service providers at an Internet Exchange Point. The "last mile" is the local part of a communication network which connects a service provider to a customer. Current Middle Mile options include SparkLight (10 Gig), Syringa Networks (10 Gig) and Ziply (1 Gig), the company that acquired the Frontier assets.

Approximately 2,500 customers can be served by a 10 Gbps circuit. Peak usage is an important data point for monitoring and is used to inform capacity planning. As the customer base in McCall grows, capacity will need to be adjusted. The cost of the middle mile connection should be allocated on a per subscriber basis

Internet Service Providers (ISP) Partners

An Internet Service Provider gives subscribers access to the internet. Because the City of McCall network will be organized as an Open Access Network, it will have multiple ISP's offering services to subscribers.

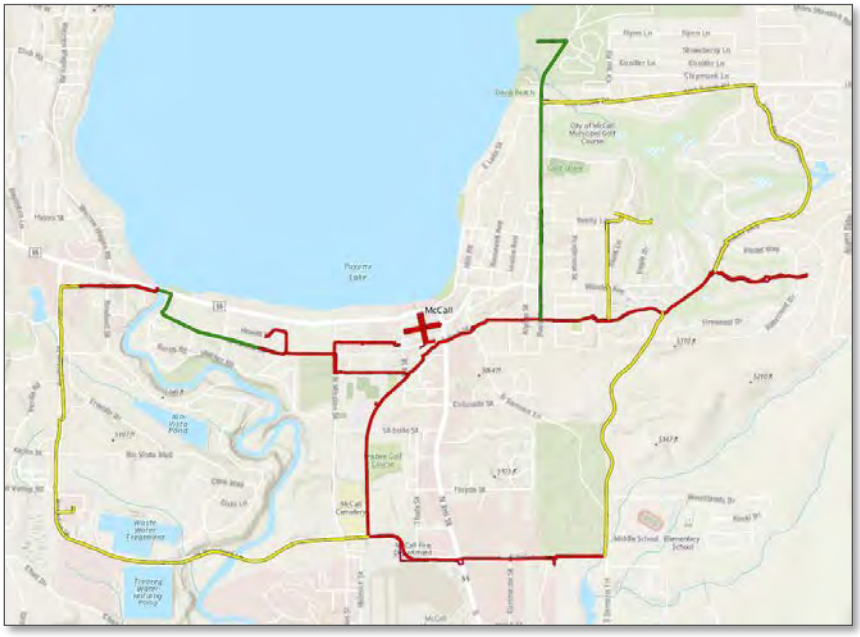
The Internet Service Providers (ISP) listed below have expressed a verbal interest in being service providers to McCall subscribers. The participation of these ISP's will be formalized through an MOU process.

Internet Service Providers –

- Wilderness Wireless – https://ww2.wildwisp.com/index.html
- Fybercom – https://www.fybercom.net/
- QwikNet – http://qwk.net/
- Sumo Fiber – https://sumofiber.com/

Cost Analysis & Phasing

Backbone Build-Out | 2019 -2022



Backbone Phase 1 (2019) - Red (Currently Installed)

Backbone Phase 2 (2020) – Yellow
Contractor: Idaho Site Prep

Spring Mountain Blvd Route
Construction Labor: $340,435.00
Materials: $46,000
Distance: 18,000 linear feet

Deinhard Route (Bid – 2020 Additional Route)
Construction Labor: $214,063.00
Materials: $30,000
Distance: 11,000 linear feet

Backbone Phase 3 (2021/2022) Green
Projected Construction Labor: $420,000
Materials: $60,000 (est)

Residential Pilot (2020) – 25 Homes
A residential pilot is planned for 2020 that will include between 20 – 30 homes on Alpine Street and Davis Avenue. The residential pilot will allow the McCall leadership to test financial models and customer acquisition strategies and will also provide a demonstration of the system the city is deploying.

Local Improvement District #1 (2021) – 300 Homes
Pending a successful residential pilot project in 2020, the Broadband Committee will seek approval for the first Broadband Local Improvement District in 2021 which will include approximately 300 homes.

High Level Network Design

A high-level network design was done for the residential pilot neighborhood in order to build a cost model for that project. The Biarri Networks Fiber Optic Network Design Tool was used to create the design and calculate materials costs for these designs. The main cost categories for deploying and operating broadband networks are separated to optimize the costs in each of the following categories -

- Infrastructure Capital Costs (Financed over 20-25 years)
- Network Maintenance & Operations
- Services

Infrastructure Capital Costs

The cost modeling that follows assumes the City has established its fiber optic backbone.

Monthly Infrastructure Cost

The first illustration of Infrastructure Capital Costs per premise assumes a 60% take-rate and a project that is 100% underground. The data in the line items in this model come from a combination of the Biarri Network Design tool, actual bids for materials, and network buildout experience.

Take-rate is a variable that is critical to project success because the operational sustainability of a project depends on crossing a certain take-rate threshold and take-rate has a meaningful impact on the cost per premise.

Monthly Infrastructure Cost Modeled From 25 Premises

The second illustration of Infrastructure Capital Costs per premise assumes a 60% take-rate and a project that is 100% underground. We can adjust these variables on a neighborhood by neighborhood basis as needed.

Costs at 60% Take Rate			
100% Buried			
Description	Common	Drop	Total
Labor - Hours	20.83	5.00	25.83
Labor - Dollars	$1,250.00	$300.00	$1,550.00
Equipment	$370.72	$57.25	$427.97
Materials	$483.62	$158.71	$642.33
Supplies	$93.27	$5.63	$98.90
Restoration	$48.10	$1.76	$49.86
Hut/Cabinet	$108.07	$5.90	$113.97
Feeder Fiber	$36.02	$0.99	$37.01
Engineering	$31.10	$1.03	$38.13
Professional Services	$148.42	$15.16	$163.58
Electronics	$166.67	$350.00	$516.67
Subscriber Acquisition	$0.00	$0.00	$0.00
Total	**$2,741.97**	**$896.43**	**$3,638.40**

Monthly Infrastructure Fee	**$21.19**

Why Take-Rate is Important

The following table illustrates the impact of take-rate on total cost per premise with a rate of 60% as neutral on impact.

Take-Rate	Cost/Sub	Subscribers	Difference	vs. 60% Take-Rate
5.00%	$33,800.03	202	-	($30,161.63)
10.00%	$17,348.23	403	$16,451.80	($13,709.83)
15.00%	$11,864.30	605	$5,483.93	($8,225.90)
20.00%	$9,122.33	807	$2,741.97	($5,483.93)
25.00%	$7,477.15	1,009	$1,645.18	($3,838.75)
30.00%	$6,380.36	1,210	$1,096.79	($2,741.97)
35.00%	$5,596.94	1,412	$783.42	($1,958.55)
40.00%	$5,009.38	1,614	$587.56	($1,370.98)
45.00%	$4,552.39	1,815	$456.99	($913.99)
50.00%	$4,186.79	2,017	$365.60	($548.39)
55.00%	$3,887.67	2,219	$299.12	($249.27)
60.00%	$3,638.40	2,420	$249.27	$0.00
65.00%	$3,427.48	2,622	$210.92	$210.92
70.00%	$3,246.69	2,824	$180.79	$391.71
75.00%	$3,090.00	3,026	$156.68	$548.39
80.00%	$2,952.91	3,227	$137.10	$685.49
85.00%	$2,831.94	3,429	$120.97	$806.46
90.00%	$2,724.41	3,631	$107.53	$913.99
95.00%	$2,628.20	3,832	$96.21	$1,010.20
100.00%	$2,541.61	4,034	$86.59	$1,096.79

Full City-Wide Deployment Infrastructure Network Operations

The following Table summarizes the anticipated cost structure for Network Maintenance & Operations. This schedule produces a monthly M&O fee for the Broadband Utility at $22.66 per month. The City would need to subsidize network operations until enough scale is established to achieve sustainability.

Residential M&O	Subscriber	Monthly	Annual	Percentage
Costs/Accruals/Reserves	$22.66	$584,592	$7,015,103	100.00%
Power	$1.41	$36,288	$435,452	6.21%
Co-Lo Fees	$0.35	$9,072	$108,863	1.55%
Labor	$8.00	$206,400	$2,476,800	35.31%
Office	$0.58	$15,016	$180,187	2.57%
Vehicles	$0.73	$18,770	$225,234	3.21%
Tools	$0.21	$5,443	$65,318	0.93%
Equipment	$1.18	$30,344	$364,128	5.19%
Supplies	$0.12	$3,128	$37,539	0.54%
Dig-line	$0.19	$5,005	$60,062	0.86%
Maintenance	$1.18	$30,344	$364,128	5.19%
Call Center	$0.36	$9,385	$112,617	1.61%
Network Operations Center (Monitoring)	$0.36	$9,385	$112,617	1.61%
Equipment Refresh costs (Reserves)	$2.00	$51,600	$619,200	8.83%
Licenses Fees (SaaS, Etc.)	$2.00	$51,600	$619,200	8.83%
Rentals	$0.50	$12,900	$154,800	2.21%
Business Insurance	$0.00	$0.00	$0.00	0.00%
Bad Debt	$0.46	$11,887	$142,648	2.03%
Equipment Replacement	$0.02	$626	$7,508	0.11%
Taxes and Fees (Property)	$0.00	$0	$0	0.00%
Middle Mile	$2.00	$51,600	$619,200	8.83%
Reserves	$1.00	$25,800	$309,600	4.41%
Total	$22.66	$584,592	$7,015,103	100.00%

Network Management & Operations Cost Structure

The numbers and categories in this model are derived from many years of experience with actual costs for Broadband projects. Labor costs are modeled to reflect Idaho wages.

Staffing Modeling for Internal Network Operations

The following Table models the cost structure for the positions needed for the City of McCall to operate the network with City employees. The model provides sufficient resources for network management and operations. The model does not include resources for construction. The cost structure improves with economies of scale (subscriber growth). The City will need to subsidize this department through the first 6-7 years of operations and that investment will be paid back by operational surpluses as subscribers grow beyond 1,800. The work that will be done by the Network Operations Department includes network

monitoring, network management, outside plant repairs, & new customer installations. Losses in Years 1-6 is being mitigated by leveraging existing City resources.

Position	Fully Compensated Hourly Rate	Fully Compensated Monthly Cost	Fully Compensated Annual Cost
Manager	$48	$8,251	$99,008
Network Admin	$39	$6,795	$81,536
I.T. Technician	$28	$4,853	$58,240
Outside Manager	$28	$4,853	$58,240
Outside Plant Tech	$22	$3,883	$46,592

Subscriptions & Staffing Projections

Subscribers	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Subscribers	20	300	300	300	300	300	300	300	300	0
# of Subscriber at year end	20	320	620	920	1,220	1,520	1,820	2,120	2,420	2,420
Labor Allocation	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00	$8.00
Cash Flow from Labor	$960	$16,320	$45,120	$73,920	$102,720	$131,520	$160,320	$189,120	$217,920	$232,320

Staffing Projections	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Manager	0	0	0	0	0	0	0	0	0.5	0.5
Network Admin	0	0	0	0.5	1	1	1	1	0.75	1
IT Technician	0	0	0.5	0	0	0.5	0.5	1	1	1
Outside Plant Manager	0	0	0	0	0	0	0	0	0	0
Outside Plant Laborer	0	0.25	0.5	0.5	0.5	0.5	1	1	1	1

Position	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Manager	$0	$0	$0	$0	$0	$0	$0	$0	$49,504	$49,504
Network Admin	$0	$0	$0	$40,768	$81,536	$81,536	$81,536	$81,536	$61,152	$81,536
IT Technician	$0	$0	$29,120	$0	$0	$29,120	$29,120	$58,240	$58,240	$58,240
Outside Plant Manager	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Outside Plant Laborer	$0	$11,648	$23,296	$23,296	$23,296	$23,296	$46,592	$46,592	$46,592	$46,592
Total	$0	$11,648	$52,416	$64,064	$104,832	$133,952	$157,248	$186,368	$215,488	$235,872
Net	$960	$4,672	-$7,296	$9,856	-$2,112	-$2,432	$3,072	$2,752	$2,432	-$3,552

Project Pro-Forma

Financial Pro-Forma of Full Project Costs – 10 Year Build – Ethernet Architecture

Projected Phase 2	$630,498.00
Projected Phase 3	$420,000.00
Projected Cost Per Premise (Common and Drop)*	$3,638.40
Estimated Subscribers	2,420
Total Cost (Common & Drop) (Includes	$7,537,943.70
Professional Services)	Included
Total Projected Project Costs	$7,537,943.70

** Assumes 100% underground, 60% take rate & short-term interest rate of 8% and long-term bond rate of 4% for 25 years.*

Projected Subscription Costs

Projected Residential Services Monthly Costs	100% Underground
Infrastructure	$21.19
Maintenance and Operations	$22.66
ISP Service *(Dedicated 1 GB Symmetrical)*	$9.99
Monthly Total	$53.84

Projected Business Services Monthly Costs	100% Underground
Infrastructure	$21.19
Maintenance and Operations	$39.95
ISP Service *(Dedicated 1 GB Symmetrical)*	$49.99
Monthly Total	$111.13

The Residential $9.99 monthly ISP fee listed above is based upon current pricing from the list of ISPs interested in providing services in McCall.

The differences between Residential and Business pricing are based on the need for many businesses to have 24x7 customer support.

Projected Capital Expenditures & Funding

Timeline	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10+	Total
Capital Costs											
Phase 1	$630,498	$0									$630,498
Phase 2	$0	$420,000									$420,000
Subscriber Drops	$17,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$268,929	$0	$2,169,361
Subscriber Common	$54,839	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$822,590	$0	$6,635,559
Interest Reserve (Drops)	$2,911	$49,482	$43,661	$43,661	$43,661	$43,661	$43,661	$43,661	$43,661	$0	$358,018
Interest Reserve (Backbone)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total	$706,177	$1,561,001	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180		$10,213,436
Short Term Financing											
New Backbone	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Retired											
Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Build	$72,768	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$0	$8,804,920
Total	$72,768	$1,164,287	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$1,091,519	$0	
Long Term Funding											
New Backbone			$0	$0							$0
New Build			$1,216,680	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,135,180	$1,091,519	$8,804,920
Total Backbone			$0	$0	$0	$0					
Total Build			$1,216,680	$2,351,860	$3,487,039	$4,622,219	$5,757,399	$6,892,579	$8,027,758	$9,119,277	

Projected Income & Cash Flow

Timeline	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10 +
Subscribers										
New Subscribers	20	300	300	300	300	300	300	300	300	-
# of Subscriber at year end	20	320	620	920	1,220	1,520	1,820	2,120	2,420	2,420
Income Statement (Revenue)										
Infrastructure Fees	$2,543.40	$43,237.75	$119,539.66	$195,841.57	$272,143.48	$348,445.39	$424,747.30	$501,049.21	$577,351.13	$615,502.08
Maintenance and Operations	$2,719.03	$46,223.54	$127,794.50	$209,365.46	$290,936.42	$372,507.38	$454,078.34	$535,649.30	$617,220.26	$658,005.74
Total Revenue	$5,262.43	$89,461.29	$247,334.16	$405,207.04	$563,079.91	$720,952.78	$878,825.65	$1,036,698.52	$1,194,571.39	$1,273,507.82
Operating Costs (Expenses)										
Maintenance and Operations	-$2,359.03	-$40,103.54	-$110,874.50	-$181,645.46	-$252,416.42	-$323,187.38	-$393,958.34	-$464,729.30	-$535,500.26	-$570,885.74
M&O Labor Difference	$960.00	$4,672.00	-$7,296.00	$9,856.00	-$2,112.00	-$2,432.00	$3,072.00	$2,752.00	$2,432.00	-$235,872.00
Middle Mile Difference (assuming $2,500/mo.)	-$14,760.00	-$10,920.00	-$3,720.00	$3,480.00	$10,680.00	$17,880.00	$25,080.00	$32,280.00	$39,480.00	$43,080.00
Equipment Refresh/Replacement	$0.00	$0.00	$0.00	-$3,384.00	-$5,544.00	-$7,704.00	-$9,864.00	-$12,024.00	-$14,184.00	-$16,344.00
Interest Reserve	-$2,910.72	-$49,482.19	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	$0.00
Debt Service Reserve	-$2,543.40	-$37,009.97	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	-$32,655.86	$0.00
M&O Reserve	-$360.00	-$6,120.00	-$16,920.00	-$27,720.00	-$38,520.00	-$49,320.00	-$60,120.00	-$70,920.00	-$81,720.00	-$87,120.00
Total Expenses	-$21,973.15	-$138,963.71	-$215,127.12	-$275,730.08	-$364,229.04	-$441,080.00	-$512,106.96	-$588,957.92	-$665,808.88	-$867,141.74
Net (Revenue vs Expenses)	-$16,710.72	-$49,502.42	$32,207.04	$129,476.95	$198,850.86	$279,872.77	$366,718.68	$447,740.59	$528,762.51	$406,366.08
Loan Payment										
Backbone			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Build Out			$81,780.00	$158,081.91	$234,383.82	$310,685.73	$386,987.64	$463,289.55	$539,591.46	$612,958.68
Total Loan Payments			$81,780.00	$158,081.91	$234,383.82	$310,685.73	$386,987.64	$463,289.55	$539,591.46	$612,958.68
Net	-$16,710.72	-$49,502.42	-$49,572.96	-$28,604.96	-$35,532.96	-$30,812.96	-$20,268.96	-$15,548.96	-$10,828.96	-$206,592.60
Cash Flow										
		-	-	-	-	-	-	-	-	
Capital Expenditures	-$703,265.93	$1,511,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$1,091,519.00	$0.00
Money Borrowed	$0.00	$1,164,286.93	$1,143,911.91	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$1,135,179.76	$0.00
Net	-$703,265.93	-$347,232.07	$52,392.91	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$0.00
Revenue	$5,262.43	$89,461.29	$247,334.16	$405,207.04	$563,079.91	$720,952.78	$878,825.65	$1,036,698.52	$1,194,571.39	$1,273,507.82
Cash Expenses	-$1,399.03	-$35,431.54	-$118,170.50	-$171,789.46	-$254,528.42	-$325,619.38	-$390,886.34	-$461,977.30	-$533,068.26	-$806,757.74
Loan Payments			-$81,780.00	-$158,081.91	-$234,383.82	-$310,685.73	-$386,987.64	-$463,289.55	-$539,591.46	-$612,958.68
Net Cash	$3,863.40	$54,029.75	$47,383.66	$75,335.66	$74,167.66	$84,647.66	$100,951.66	$111,431.66	$121,911.66	-$146,208.60
Accrued Interest	-$2,910.72	-$49,482.19	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	-$43,660.76	$0.00
Unrestricted Cash	-$705,216.65	-$385,814.49	$6,539.96	$14,959.80	$2,991.80	$2,671.80	$8,175.80	$7,855.80	$7,535.80	-$233,328.60
Reserve										
Interest Reserve	$2,910.72	$49,482.19	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$43,660.76	$0.00
Debt Service	$2,543.40	$37,009.97	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$32,655.86	$0.00
Maintenance and Operations	$360.00	$6,120.00	$16,920.00	$27,720.00	$38,520.00	$49,320.00	$60,120.00	$70,920.00	$81,720.00	$87,120.00
Total Reserve	$5,814.11	$92,612.17	$93,236.62	$104,036.62	$114,836.62	$125,636.62	$136,436.62	$147,236.62	$158,036.62	$87,120.00
Total Cash	-$699,402.54	-$293,202.32	$99,776.58	$118,996.42	$117,828.42	$128,308.42	$144,612.42	$155,092.42	$165,572.42	-$146,208.60

Financing Considerations

Because project feasibility is ultimately a function of getting people to sign up and remain loyal to the network, there needs to be a value proposition that mobilizes customers to subscribe. For that to happen, subscribers need a compelling solution and the network needs to create cash flow predictability and bankable contracts to attract financing for the project. NetEquity in San Francisco visualizes these dependencies in this way:

NetEquity Stack

People	are hungry for	Services
Services	are hungry for	Infrastructure
Infrastructure	is hungry for	Capital
Capital	is hungry for	Cash Flow Predictability
Cash Flow Predictability	is hungry for	Bankable Contracts
Bankable Contacts	result from	Aligned Incentives
Aligned Incentives	requires	Trust
Trust	comes from	Having the Same Vision

*Isfandiyar (Asfi) Shaheen developed the **NetEquity Stack** above. Mr. Shaheen is a Global Broadband Infrastructure Thought Leader based in San Francisco. He is working to provide fiber optic connectivity to unconnected countries around the world.*

Legal Considerations

The McCall City Attorney should prepare a separate analysis describing the City's legal authority to build, own, and operate broadband infrastructure and include legal and risk-related considerations for organizing a broadband utility.

Risk Analysis

9

Potental Risk Factors >

Likelihood

Impact

Mitigation

The following is an analysis of the main risk factors facing the City of McCall as it pursues its fiber-to-the-premise deployment. Eight potental Risk Factors are analyzed:

1. Subscriber Churn Risk
2. Take-Rate Risk
3. Project Execution Risk
4. Equipment and Technology Risk
5. Community Engagement Risk
6. Cost Modeling Risk
7. Timeline Risk
8. Regulatory Risk
9. Middle Mile Risk

Subscriber Churn

Subscriber Churn is the risk that customers sign up and then do not remain subscribers to the network.

Likelihood: Today customers are primarily driven by cost, speed, and customer service. Churn is possible and is a consequence of the customers pursuing an option to get better value from an alternative solution. The likelihood of churn is high if a new market solution simply replicates the incumbent model. The likelihood of churn goes down under a Business Model where 1) the customer is financially responsible for the drop to their property and 2) where the value proposition is strong enough to make the customer voluntarily committed to the network.

Impact: The impact of churn on the network is potentially catastrophic if it reaches a level where the capital and operational cost of the abandoned infrastructure cannot reasonably be shared by remaining subscribers.

Mitigation: Churn can be mitigated by implementing a business model that makes customers voluntarily committed to the network and by assigning financial responsibility to customers for their lateral connection.

Take-Rate Risk

Take-rate risk is the risk that the City builds out the network and ends up with a take-rate that is lower than expected.

Likelihood: Take-rate risk is possible and is a function of the value proposition of the network and how well that value proposition gets communicated and managed before construction starts. High take-rates lead to lower network costs for subscribers. This creates a virtuous cycle where lower costs lead to higher take rates. The reverse is also true.

Impact: The worst-case scenario is one where lower take rates lead to higher costs and churn which create a death spiral that negatively compounds until the network is not sustainable.

Mitigation: Manage demand aggregation before construction begins and give consumers a value proposition that makes them voluntarily committed to the network infrastructure.

ProjectExecution

Project Execution includes strategy, planning, project management and fulfillment of the project plan and operational execution.

Likelihood: Project execution failure is possible and is a function of the effectiveness of project planning, management, controls, and execution.

Impact: The severity of impact is in proportion to the effectiveness of project management and execution. A worst-case scenario is one where project execution affects the value proposition, which in turn affects take-rate and churn.

Mitigation: Hire or partner with skilled project managers and key strategic partners. Create alignment among key team members on the project plan and operational plan. Develop project controls that are monitored and reported to senior leadership monthly.

Equipment & Technology Risk

Equipment & Technology Risk includes both software and hardware solutions and is the risk that equipment failure rates are higher than expected, major

software bugs are unresolved, operational reliability is lower than expected, and/or that the technology lifecycle leads to faster obsolescence than is expected. For a network, the size of McCall, an additional risk is scalability risk. Middle Mile risk covered in the Middle Mile pricing section.

Likelihood: Solutions with short deployment histories, unreliable references, unclear quality control and test procedures, weak professional teams, and poorly architected scalability abstractions present increased equipment and technology risk.

Impact: The impact of this risk category is moderate because it is possible to vet both software and hardware systems to assess this risk. The base technology of the network will be fiber optic cable and that has sufficient history to present a minor risk to the project. Remaining risks include electronics and software systems.

Mitigation: Implement thorough due diligence processes with trained professionals to scrutinize references, architecture, software abstractions, quality control systems and the professional histories of vendors being considered.

CommunityEngagement

Community Engagement is the marketing, education and communication processes and strategies used to inform residents and businesses about the value proposition offered by the network.

Likelihood: Community Engagement risk is possible but nonetheless a risk that can be managed and monitored. Poor planning, management and execution increases the level of risk. Community engagement can be handled by internal City staff, but risk increases if staff member resources are inadequate for a project of this size. There is an abundant supply of marketing professionals available to assist with community engagement processes.

Impact: Community engagement is a key driver of project success due to the relationship between community engagement and take-rate.

Mitigation: Leverage the skills of competent marketing professionals and provide sufficient resources to make it easy for every resident to learn the basic value proposition for the network in comparison to alternatives through a variety of marketing, education and communication strategies.

Cost Modeling Risk

Cost Modeling Risk is the risk that cost modeling significantly underestimates actual design, construction, and/or operational costs.

Likelihood: There is enough industry data to reasonably validate cost estimates.

Impact: Cost overruns can have a moderate to disastrous impact on network sustainability.

Mitigation: Validate financial assumptions against industry assumptions, market conditions, and account for local economic variables.

Timeline Risk

The current plan is to connect 300 homes per year over a 10-year period. This can be a successful strategy. It is a measured approach and is similar to the strategy the Ammon, Idaho has followed for its buildout. Before finalizing this strategy there are several considerations that should be evaluated:

1) Each LID phase requires legal, financing and accounting transaction costs. Building the network with fewer LID's will lower the overall transaction costs for the project.
2) Maintenance & Operations does not break even until there are roughly 1,800 subscribers. Building at a faster pace will result in an accelerated period to break-even.
3) Interest Rates are at an unprecedented low currently and building over a 10- year period may expose later project years to some interest rate risk.

In the approach followed by Ammon, none of the fiber network loans were organized as City debt. The loans were directly between the subscribers via the LID and the lending institution.

Likelihood: Costs are certain to be higher for an extended buildout period. However, there are execution risks for accelerating the buildout and these trade-offs need to be weighed by City leaders.

Impact: Costs will be incrementally higher for an extended build-out schedule and M&O will have a longer ramp to sustainability.

Mitigation: The City can control the buildout schedule following a cost / benefit analysis of the options. An important consideration is alignment with construction partners. If the city is going to outsource construction, it should consult with potential construction partners about the alternative construction

schedules to make sure that the city's strategy is amenable to key construction partners.

Regulatory Risk

Regulatory Risk is the risk that State or Federal regulations become an impediment or barrier to the city successfully building or operating a municipal network. Idaho state law is unclear on whether cities have the right to build and operate a municipal network. Because the law is unclear, cities have pursued Judicial Confirmations to establish the right to build and operate fiber optic infrastructure. Two of the cities that have followed this path are Ammon and Mountain Home.

Likelihood: There is a reasonable amount of risk that an incumbent operator could make a claim to stop McCall from building a competing network.

Impact: If a claim were to be brought against McCall, the likely process is that it would take an extensive amount of time and cost to contest or appeal the claim.

Mitigation: The McCall City Attorney can oversee an effort to follow the same process followed by Ammon and Mountain Home to seek and receive Judicial Confirmation that the City has the authority to build this infrastructure.

Middle Mile Risks

Middle Mile risks include the following:

1) Lack of redundant options on divergent paths,
2) Pricing risk, and
3) The risk of being stranded or isolated without a viable path to an internet exchange point.

Likelihood: The closest internet exchange point is in Boise. McCall does have a divergent middle mile path to Boise via the three Middle Mile options, but bandwidth capacity is a potential issue going forward.

The most likely risk is that incumbent middle mile carriers will not provide competitively priced, high bandwidth middle mile options.

The risk of getting isolated or cut off from internet access is possible but has a low likelihood of occurring.

Impact: Each of the Middle Mile Risks could have a significant impact on network success. The most likely risk is pricing risk followed by insufficient Middle Mile

capacity. The obvious impact of pricing risk is that the per premise cost will increase.

Mitigation: The way the City can mitigate and possibly eliminate Middle Mile Risk is by working with the County to build and operate its own Middle Mile connection back to Boise. This may seem daunting to the City and the County, but it is worth doing a separate analysis and comparison of projected costs to proposals from existing incumbents. A significant benefit of the City & County working together to enable a permanent path to Boise is that the infrastructure could be paid off over 30 years and would provide abundant bandwidth to County residents and businesses.

[EXHIBIT A]

McCall RAPID Marketing Plan Overview

Introduction

RAPID is the City of McCall's answer to the community's need for better internet connectivity. A faster and more economical method to get quality internet access to a home or business. RAPID is an open access network that will use McCall's existing underground fiber to allow multiple internet providers to offer citizens in McCall city limits residential and commercial high-speed internet through a single webpage.

The RAPID product/service will be distributed to the community in stages and therefore, each phase will require a carefully planned and executed marketing effort necessary to maximize the reach, potential, gauge strengths, discover opportunities as well as plans to maintain excellent service throughout the life of the utility.

This plan is intended to serve as an first general outline and guide, to McCall City Council, Information Systems staff and those on the planning project team, for addressing the important elements of the plan in reference to sales, advertising and marketing. The Outreach plan includes:

- Project market objectives
- Phased Planning
- Brand identity
- Key messages strategies and tactics
- Roles and responsibilities, reporting and evaluation

This plan is not intended to supersede any existing or future communications plans developed or implemented by Information Systems staff. The plan will be executed in concert with Infosys, the project team and public relations staff.

Project Market Objectives

The overarching objectives of the RAPID Market plan are as follows:

- Garner recognition, visibility and community-wide support for the product/service
- Educate the public how the product works and can improve connectivity
- Position RAPID as a critical utility with citizens
- Highlight successful cost savings with successful Local Improvement District (LID) participation.
- Outline features and benefits
- Obtain feedback from test group, stakeholders and customers

Phased Outreach Objectives

- Phase 1A – Test Area
- Phase 1B – First LID
- Phase 2 – Ongoing Phases Service Plan

Target Audiences

This plan is designed to reach a wide variety of stakeholders. Below are the general target audiences. Specific organizations and individuals are detailed in the appendix to this plan. (*Note:* We consider the media to be a vehicle, rather than an audience.)

- Citizens of McCall/Government and public officials
- Technology industry policymakers, business leaders and regional economic development officials/professionals
- Potential service residential and business customers

Phased Targeting

- Phase 1A (Test Area)
    - Homes within the test area as identified. Appendix or Reference page?
- Phase 1B (First LID)

- Home and businesses within area as identified currently holding adequate underground fiber lines.

- Phase 2
  - All home and businesses within all areas in the City of McCall with appropriate underground infrastructure.

Brand Identity

RAPID requires strong name and logo recognition in the community for developing a brand identity that raises awareness, generates enthusiasm and creates visibility. Specifically, we recommend a logo font and tagline to be utilized on all communication materials relating to the plan, including but not limited to:

- Websites, digital media, and advertisements
- Transportation, vests, hats
- Onsite Work signage
- Contractors serving RAPID
- Correspondence, Press releases and Presentations
- Public notices
- Fliers and door hangers
- Community partner's web posts and newsletters, plans and drafts
- Recommended logo and taglines will be designed to promote continuity of message and establish a unified identity. Through a creative play on words, the proposed tagline theme will position the plan as a forward-thinking initiative with an emphasis on building the future and guiding the Library's vision for tomorrow. The brand identity is used as a unifying theme to foster support and elevate the value and importance of the RAPID product/service
- The current/proposed logo:

- The current/ proposed tagline: Connecting the City of McCall

Key Messages

Effective outreach requires a commitment to communicating an agreed-upon platform of key messages. The following three key messages are intended to serve as a guide for communicating with target audiences about RAPID:

What

RAPID is a faster and cheaper way to get quality internet access to your home or business.

Why

RAPID allows multiple internet providers to offer you high speed internet services to both residential and commercial customers through a single webpage allowing better connectivity at reduced costs.

How

RAPID uses McCall's existing underground fiber network.

Key Messages and Proof Points

The three key messages are repeated below with proof points to support them. This is not intended to be a word-for-word script; persuasive communications require that spokesperson(s) convey the key messages in their own words. To ensure consistency in the messages, we recommend that RAPID spokesperson(s) refer to and utilize the guide prior to communications with elected officials, opinion leaders, media, and other interested stakeholders.

- The City of McCall has identified Internet as an essential service.
- Fiber optic connections are faster, less expensive and future proof
- We currently have inadequate connectivity limiting capacities in McCall and the region.
- Three parts to the RAPID Service.
    - City Utility Fee- A monthly fee, only charged if you have ongoing internet service and can be canceled any time.
    - Internet Service- A monthly fee, only charged if you have ongoing internet service and can be canceled any time.
    - House Connection- A onetime fee with option to finance over 20 years or if your property is already connected to fiber there is no house connection fee.

- The cost of the RAPID installation can be paid overtime or in one lump sum.
- The costs of service monthly will vary based on chosen Internet Service Provider.
- The costs will be reduced with increased participation in a LID.
- RAPID will give its citizens more options for education, remote work, online efficiency and aid area businesses with future development.
- The installation of fiber to the property with increase its value.

The RAPID project will be maintained by the Information Systems Manager and staff. Updates will be publicized through the all vehicles of media including digital, and on a dedicated website.

Strategies and Tactics

In order to develop widespread participation and community buy-in for the RAPID project and service, we propose the following overarching communications strategies to occur at three key milestones of the project:

- **Phase 1A – The TEST PHASE**, a residential area is identified receives service free as well as delayed/discounted installation with required opinion and feedback as a part of the process. The feedback is then used to further improve product/service.
- **Phase 1B – The FIRST LID PHASE**, a residential area is identified as a first launch area for service.
- **Phase 2 –** The CONTINUING RAPID SERVICE/INSTALLATION PHASE, all areas with appropriate infrastructure are measured for interest and are candidates to initiate service.

Strategy: *Support the RAPID project by generating interest in targeted phase area.*

We will work with staff to generate interest from local news outlets. Specific tactics may include but are not limited to:

- Organize and hold a public meeting to publicly launch RAPID.
- Develop a media advisory and press release to publicize the public meeting and public launch of RAPID.
- Pitch media and schedule interviews with Project Leader to discuss RAPID.

- Continue to develop interesting RAPID content on the organization's website

Strategy: Utilize neighborhood, community and referral programs to market RAPID.

- We will leverage existing partnerships and foster new relationships to promote and educate the community on RAPID.
- Create programs that reward current users for referrals and new subscribers
- Work with HOA's to develop large scale interest in focused areas.
- Use current utility customer databases to generate interest in RAPID.
- Utilize door hanger construction notifiers (We are working on RAPID next door)
- Reach out to community partners to mention the public meeting through websites and their social media platforms such as blogs, Facebook, and Twitter.
- Prepare short articles on RAPID for inclusion in community partners' newsletters, websites, etc.
- Create and distribute flyers to post on community bulletin boards and hand out at city events.
- Distribute e-blasts to community partners at key milestones in the process.

Strategy: Influence public using social media to promote RAPID and build interest.

Create and individual RAPID social media page to pair with the website.

Consistent coordinated updates with varying levels of frequency.

Create a foundation for social media communications in the future with customers.

- Develop a system and staff for coordinating RAPID content.
- Build the number of Facebook followers using other city social pages.
- Utilize multimedia (videos, etc.) to maximize publicity.
- Distribute press releases, op-eds, and meeting announcements through social media channels.

- Regularly monitor the channel to address comments and questions and ensure all posts are consistent with the overall message of RAPID.

Roles and Responsibilities

The City of McCall Information Systems Department in conjunction with the Communications Department will control RAPID in all external and internal communications related to development phases.

Evaluation

At multiple times throughout all phases of the project, we will collect feedback and evaluations of the installation services and internet connect. Identification of the most relevant metrics may be developed in advance may include the following:

- Feedback with the goal to analyze quality in service and installation.
- SWOT with each phase.
- Technical measurements as identified by InfoSys

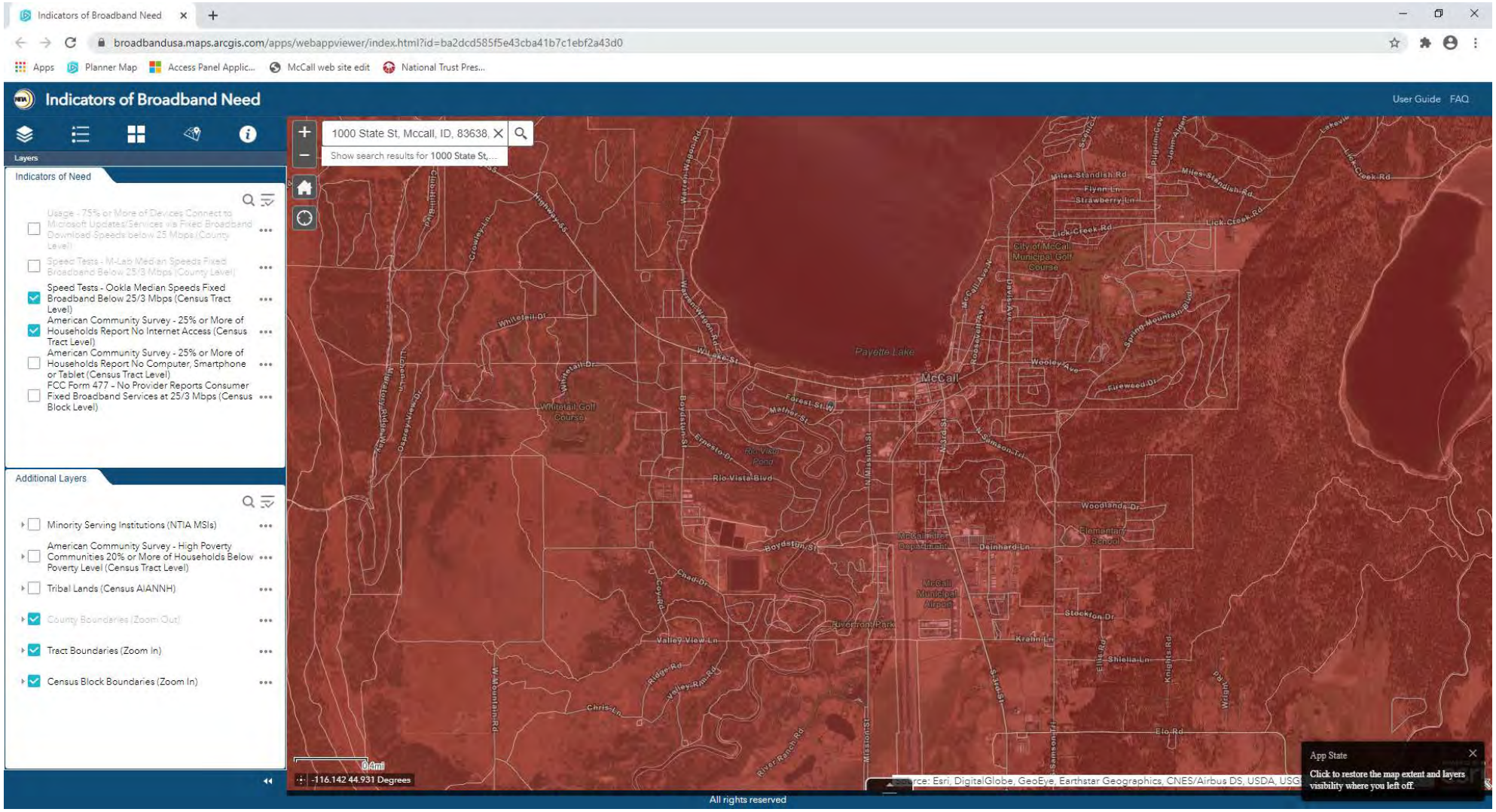
Target Media

Below is a list of targeted media, grouped by local outlets and industry/trade publications. We anticipate that most of the interest during the strategic planning process will come from local media, primarily print outlets. The final master plan will present the McCall Public Library with an opportunity to promote its vision regionally and through targeted trade media.

Local Outlets:

- McCall Star-News
- McCall Magazine
- Visit McCall
- Local Blogs.
- Local Podcasts
- Radio - KDZY
- Radio - STARR
- KTVB, KBOI, KIVI
- Idaho Business Review
- Idaho Statesman

NTIA Indicators of Broadband Need web site showing that existing Ookla Median Speeds Fixed Broadband are less than 25/3 Mbps



Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Terrie Nolan
Applicant ID	APP-004823
Company Name	Horseshoe Bend
Recipient Address	Horseshoe Bend 112 Adams St Horseshoe Bend, ID 83629
Phone	(208) 793-2219
Email	tlawson83629@gmail.com
Amount Requested	$391,031.00
Status	Submitted
Funded	☐

Application Title: Connecting Horseshoe Bend

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Terri Lawson, Treasurer
112 Ada St. Horseshoe Bend, ID 83629
tlawson83629@gmailcom
208.793.2219

Question: List the cities/communities in the census blocks where the project(s) will take

place.

Horseshoe Bend
Census tract # 38620

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Tina Wilson, Executive Director, Western Alliance for Economic Development
tina@westernallianceed.org
208.615.6083

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The city of Horseshoe Bend is tucked into the hills between Highway 55 and the Payette River. As a growing community, it has become important for its residents to be able to access high-speed internet to serve its remote workers and long distance learners. A key component of this project is giving the community public access to the high speed internet. This will help to bridge the gap until another project could be launched providing fiber to the home. This is the backbone and solid foundation to achieving that goal. The overview and Scope of work: Fiber extensions from City of Horseshoe Bend City Hall to City Facilities: 1. Fatbeam proposes building from the City Hall to City Facilities (sewer & water tower/ treatment locations) to bring reliable fiber connectivity to these critical city facilities. Fatbeam will utilize dark fiber and the 1 GIG dedicated internet connection to connect these locations back to City Hall located at 112 Ada Street Horseshoe Bend, Idaho.
2. Electronics upgrade and integration with City Hall network: Fatbeam, via its partner firm Ednetics, will offer an equipment upgrade to integrate the fiber connection’s & dedicated internet access from the City Hall out to the various sites. The internal LAN network upgrade will consist of necessary equipment such as a switches, access points etc. and the professional services needed to implement.
3. Establishing Community Access Network: Fatbeam, via its partner firm Ednetics, will install and activate a turnkey Wi-Fi solution internally and externally to allow the community of City of Horseshoe Bend a public access community Wi-Fi network for the benefit of all your citizens.

The price of these services is included in the electronics upgrade for community access. Fatbeam will work directly with the City of Horseshoe Bend to align a contract for maintenance and operation on this network & the 1 GIG dedicated internet services.
Some of the meaningful benefits to the community of Horseshoe Bend, Idaho include A. Community Access Networks providing for high-speed connectivity and public Wi-Fi at key community location and creates a network base for greater city meshed WIFI network in the future B. Public Safety: providing for secure and high-speed connectivity for enabling city facilities to all be on the same network creating the foundation for network stability & scalability C. Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running D. Education: providing for secure and high-speed connectivity for students in the City of Horseshoe Bend community by providing access to a reliable network through integrated community access at the city hall and adjacent city park mentioned above. Fatbeam and their partner Ednetics will be the ISP providing services.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

By connecting the city water and waste water facilities to City Hall, it provides a high-speed fiber backbone from north end to the south end of the town. This backbone of fiber provides the foundation for Fatbeam to move forward with providing residential services at a future date. There is a dentist office that is associated to Garden City and a medical clinic that is associated with the medical facility in Garden Valley. Both of these medical facilities are dependent on the internet for telehealth and teledentistry. This fiber build will give them reliable high-speed internet to serve their patients. The wi-fi access points will assist the remote workers and serve the light industrial businesses currently in town. It will also benefit those students in the area who utilize long distance learning opportunities even when not in a pandemic

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

Community Access Networks: providing for high-speed connectivity and public WiFi at key community location and creates a network base for greater city meshed WIFI network in the future. Public Safety: providing for secure and high-speed connectivity for enabling city facilities to all be on the same network creating the foundation for network stability & scalability. Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running. Education: providing for secure and high-speed connectivity for students in the City of Horseshoe Bend community by providing access to a reliable network through integrated community access at the city hall and adjacent city park.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

Before a cost effective broadband infrastructure solution can be offered to the community, a fiber high speed fiber foundation needs to be in place. This grant will afford the city to have reliable connections to its water and sewer facilities, it will provide fire and ems services access to high-speed internet without the community bearing the burden of cost associated with building this infrastructure.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

Though there is no cash match indicated in the budget, the City of Horseshoe Bend will be lending its time and talents of it public works department and its treasurer throughout the project to help insure that the internet is integrated into the cities facilities and all financial transactions are handled properly.

Question: Estimated total project cost?

391031.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

n/a

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

n/a

Question: What is the maximum broadband speed that will be provided by the project?

1 Gig dedicated internet

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes all permits are obtainable

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Fatbeam is a high growth fiber-optic broadband provider headquartered in Coeur d'Alene, ID with regional offices in both Boise, Idaho & Twin Falls, Idaho. At Fatbeam, we differentiate ourselves by offering fiber-based broadband solutions combined with a customer- centric and

service - oriented approach to doing business. With nearly a decade of operating experience building and operating fiber broadband networks, we are ready and able to build the fiber-based infrastructure our customers need in the markets we serve.
Most recently, Fatbeam continues to grow both organically and inorganically with a recent acquisition of another Idaho company Tekhut, in the beginning of 2021. With our expanded fiber footprint, Fatbeam currently has fiber networks in both the northern & southern regions of Idaho.

The State of Idaho broadband grant project offers a compelling opportunity for public-private partnership to deploy broadband across communities in a targeted manner. Broadband deployment stimulates economic development by creating opportunities for businesses and individuals. We believe in crafting solutions with customer input and then delivering the solutions that meet their needs now and in the future.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

This grant will be administered by Tina Wilson, Western Alliance for Economic Development, working
closely with the city clerk/treasurer on the accounting side. The City of Horseshoe Bend Treasurer will be keeping the financial records for this grant in order to make sure that all documentation is completed correctly. Tina will be working closely with Fatbeam to insure that all aspects of the construction project will be completed.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

no

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

no

Question: Include any other relevant information as to why your project should be considered for funding.

Funding this project is the first step in brining reliable high-speed internet to Horseshoe Bend. Besides the school and medical clinic, there is an equipment manufacturer located at the old mill site that could benefit from high-speed internet access. There are new residential development (140 homes) happening on the north side of town adjacent to the Redwood Water Tower. There is an affordable housing project coming in on the track of land between the old mill site and the Payette River. Idaho Power Company has transmission lines from Garden Valley. This small town is is located in the hilly country between the Treasure Valley and McCall, making satellite access difficult and expensive.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

No Attachments

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

Horseshoe Bend- Cares 2021.kmz (7/16/2021 9:47 AM)
Fatbeam Proposal City of Horseshoe Bend Idaho Care Grants 2021.pdf (7/15/2021 4:26 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget-HSB.pdf (7/15/2021 8:36 AM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Gantt Timeline LIst City of Horseshoe Bend.pdf (7/15/2021 8:39 AM)
Gantt Timeline City_of_Horseshoe_Bend.pdf (7/15/2021 8:38 AM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Certification City of Horseshoe Bend.pdf (7/15/2021 4:54 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

No Attachments

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

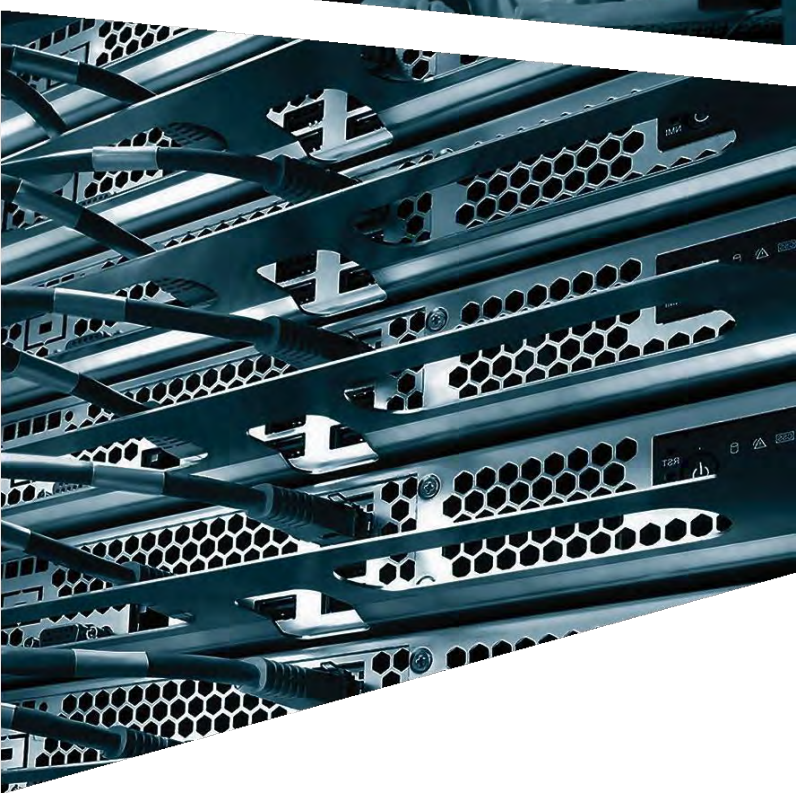
No Attachments

Question: Any applicable Site Plans, studies, or photographs.

Map of Communitity access HSB.pdf (7/16/2021 8:57 AM)

Idaho Grant Application Fatbeam Proposal Community Broadband Access City of Horseshoe Bend, Idaho

July 7th, 2021



fatbeam.com
2065 W. Riverstone Dr. Suite 202
Coeur d'Alene, ID 83814
509.344.1008

fatbeam
2065 w riverstone drive
suite 105
coeur d'alene, idaho 83814

t 509 344 1008
f 509 344 1009

July 7th, 2021

Dear Mayor Patrick Goff
& City of Horseshoe
Bend Community
Leaders,

Fatbeam is a high growth fiber-optic broadband provider headquartered in Coeur d'Alene, ID with regional offices in both Boise, Idaho & Twin Falls, Idaho. At Fatbeam, we differentiate ourselves by offering fiber-based broadband solutions combined with a customer- centric and service - oriented approach to doing business. With nearly a decade of operating experience building and operating fiber broadband networks, we are ready and able to build the fiber-based infrastructure our customers need in the markets we serve.

Most recently, Fatbeam continues to grow both organically and inorganically with a recent acquisition of another Idaho company Tekhut, in the beginning of 2021. With our expanded fiber footprint, Fatbeam currently has fiber networks in both the northern & southern regions of Idaho.

The State of Idaho broadband grant project offers a compelling opportunity for public-private partnership to deploy broadband across communities in a targeted manner. Broadband deployment stimulates economic development by creating opportunities for businesses and individuals. We believe in crafting solutions with customer input and then delivering the solutions that meet their needs now and in the future.

Because of the shortened timelines for network deployment under this grant's stipulation, the City of Horseshoe Bend and Fatbeam feel confident that the network foundation deployed in the scope of work below positions the City for future fiber and wireless network distribution to serve the community members of City of Horseshoe Bend.

We look forward to answering any additional questions that you may have regarding our proposal.

Kindest regards,

Graham Taylor

fatbeam®

Cost Proposal Summary & Scope of Work

Fatbeam is proposing to build and operate a fiber optic network for the City of Horseshoe Bend connecting a variety of locations with dark fiber & provide carrier grade internet access starting at 1 Gbps.

Fatbeam proposes the following broadband infrastructure to continue to support the needs of City of Horseshoe Bend:

1. **Fiber extensions from City of Horseshoe Bend City Hall to City Facilities:** Fatbeam proposes building from the City Hall to City Facilities (sewer & water tower/ treatment locations) to bring reliable fiber connectivity to these critical city facilities. Fatbeam will utilize dark fiber and the 1 GIG dedicated internet connection to connect these locations back to City Hall located at 112 Ada Street Horseshoe Bend, Idaho.

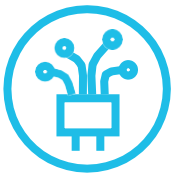
2. **Electronics upgrade and integration with City Hall network:** Fatbeam, via its partner firm Ednetics, will offer an equipment upgrade to integrate the fiber connection's & dedicated internet access from the City Hall out to the various sites. The internal LAN network upgrade will consist of necessary equipment such as a switches, access points etc. and the professional services needed to implement.

3. **Establishing Community Access Network:** Fatbeam, via its partner firm Ednetics, will install and activate a turnkey WiFi solution internally and externally to allow the community of City of Horseshoe Bend a public access community WiFi network for the benefit of all your citizens. The price of these services is included in the electronics upgrade for community access. Fatbeam will work directly with the City of Horseshoe Bend to align a contract for maintenance and operation on this network & the 1 GIG dedicated internet services.

   For a total investment of **$387,159.00**, this broadband infrastructure will provide meaningful benefits to the community of Horseshoe Bend, Idaho as follows:

   - ✓ **Community Access Networks**: providing for high-speed connectivity and public WiFi at key community location and creates a network base for greater city meshed WIFI network in the future
   - ✓ **Public Safety**: providing for secure and high-speed connectivity for enabling city facilities to all be on the same network creating the foundation for network stability & scalability
   - ✓ **Telehealth**: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running
   - ✓ **Education**: providing for secure and high-speed connectivity for students in the City of Horseshoe Bend community by providing access to a reliable network through integrated community access at the city hall and adjacent city park included above

Proposed Broadband Infrastructure Support



Deploy fiber network to City of Horseshoe Bend Facilities

Electronics upgrade, and integration with City Hall network

Fiber extension to create Community WiFi Access Points

Establishing CommunityAccess Network at City Park

DARK FIBER

NETWORK WITHOUT LIMITS

Bandwidth too thin?

Fatbeam Dark Fiber offers customers the luxury of growth as well as the economy of scale. Take control of your network, and your costs.

Fat and flexible

Need more bandwidth? Future-proof your network with Fatbeam Dark Fiber. As your bandwidth needs increase in the future your monthly bill does not – simply upgrade your network equipment:

- **Lower cost for high bandwidth applications**
- **Full control over your telecom infrastructure**
- **Gain economies of scale as bandwidth needs increase**
- **Flexible solutions to meet all network configurations**
- **Dedicated network infrastructure**
- **Low latency and redundancy**

Stout service

Fatbeam will manage all aspects of your fiber network construction including permitting, network engineering and local compliance. We also manage fiber splicing and laterals to all sites as well as ongoing maintenance of the network.

Hungry applications?

Open the throttles on your internal network and stop paying more each ﬁme you need to increase capacity:

- **Video Conferencing and Broadcast Video**
- **Voice-over-Internet Protocol (VoIP)**
- **Internal Data Traffic**
- **Virtual IT and Cloud Computing**
- **Data Backup, Storage and Disaster Recovery**
- **Media Streaming**

Scalability

Enjoy the ability to replace and upgrade technology at your own pace. Optimize your network and upgrade bandwidth as you see fit.

Security

Dark fiber provides physical security by completely avoiding the public internet, keeping your data safe from unauthorized access.

Affordability

Participate in the design and topology of Fatbeam's dark fiber delivery. There are multiple financial options available – just ask!

Stout service

Fatbeam will manage all aspects of your fiber network construction including permitting, network engineering and local compliance. We also manage fiber splicing and laterals to all sites as well as ongoing maintenance of the network.

FIBER INTERNET

LOAD UP ON BANDWIDTH

Need for speed?

Slow internet can really effect your business. Fatbeam's fiber-based internet offers connections with powerful features.

- No data caps
- No bursting fees
- No local loop charges
- No port costs — Zero hidden fees

One fair fixed price for a TON of bandwidth.

Hungry applications?

Open the throttles on your internal network and stop paying more each time you need to increase capacity.

- Video Conferencing and Broadcast Video
- Voice-over-Internet Protocol (VoIP)
- Internal Data Traffic
- Virtual IT and Cloud Computing
- Data Backup, Storage and Disaster Recovery
- Media Streaming

Make the switch

Is your business ready to stop price increases and teaser rates with your legacy provider? Unbundle yourself from your current internet provider, switch to Fatbeam's ability to scale your bandwidth and is fully managed with a low total cost of ownership. Fatbeamcan provide networks in communities of all sizes fromlarge cites to rural communities.

Fatbeam Lit Fiber is a monitored service, which includes 365 day 24/7-network monitoring via the Fatbeam Network Operation Center (NOC).

Scalability

Enjoy the ability to replace and upgrade technology at your own pace. Optimize your network and upgrade bandwidth as you see fit.

Reliability

Through our Network Operations Center and guaranteed SLAs, we make sure our fiber is always ready to support your needs, ensuring 99.9% availability.

Affordability

With multiple financial options available, there is a option for every budget, giving you the network quality that you need. Ask us more today.

Powerful

Fatbeam offers powerful and reliable bandwidth for your unique business needs. We provide on demandspeeds to deliver files and applications to your business so you can get on with your life.

Fatbeam Support

Repair Ticket Outage Process

Call Fatbeam support at 855.979.8844 or email support@fatbeam.com to open a trouble ticket.

Please be prepared to provide the following information:

- Business name, address and type of service at the location experiencing issues
- Primary site contact name, phone number, alternate phone number and email address, as well as access days and hours of availability.

Standard Support SLA's for updates on new tickets are as follows:

Priority	Priority Description	Contact Interval
P1	Hard Down/Full Service Impact	1 Hour
P2	Degradation in Network Performance/Partial Service Impact	2 Hours
P3	Informational or Change Request / No Service Impact	24 Hours

Fatbeam Support Escalation

If you feel that your repair issue is not being resolved in a satisfactory timeframe, please escalate using the information below:

Escalation Level	Contact Name	Title	Contact Information
1	Fatbeam Tech	On call	208.763.4346
2	Matt Knoblich	Construction Manager	208.929.0010
3	Bruce Hathaway	Senior OSP Engineer	208.771.9204
4	Jason Koenders	COO/CTO	206.619.9175

Equipment & Specifications

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Features and Benefits

Gel-free waterblocking technology
Craft-friendly cable preparation

Corrugated steel tape armor
Provides rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes
Facilitate easy routing in closures

SZ-stranded, loose tube design
Isolates fibers from installation and environmental rigors and facilitates mid-span access

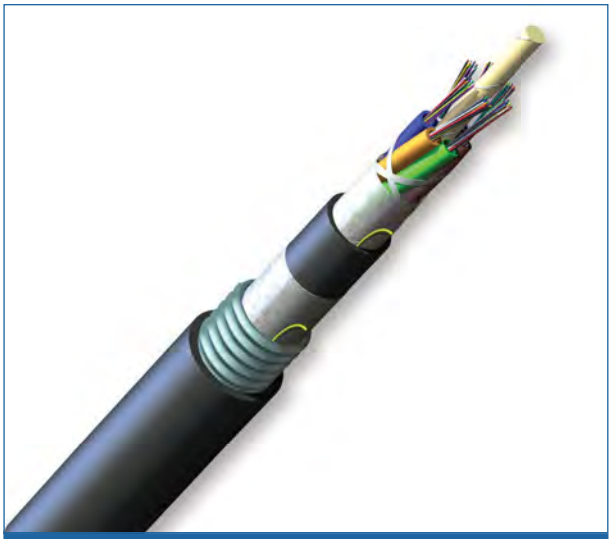
Dielectric central strength member
No preferential bend and requires no bonding or grounding

Medium-density polyethylene jacket
Makes cable rugged and durable while being flexible and easy to strip

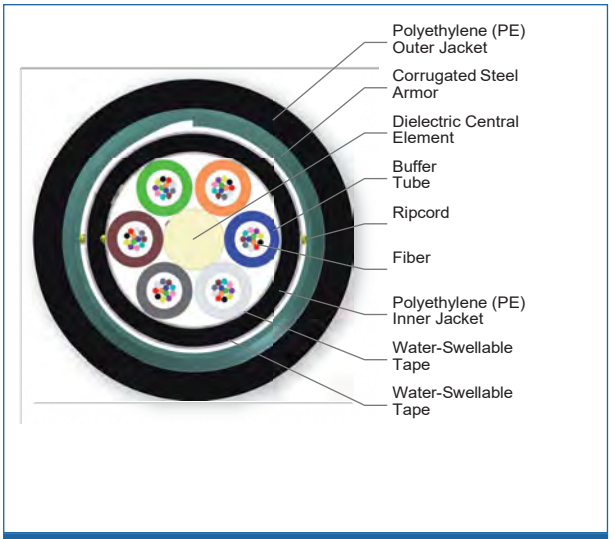
ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while suitable for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Standards

Design and Test Criteria	ANSI/ICEA S-87-640 Telcordia GR-20 RDUP PE-90



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 72 Fibers | Photo PIM0541

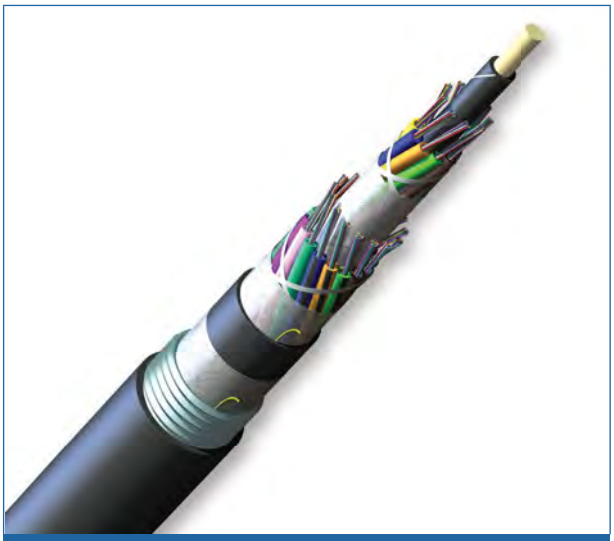


ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 72 Fibers | Photo PIM1440

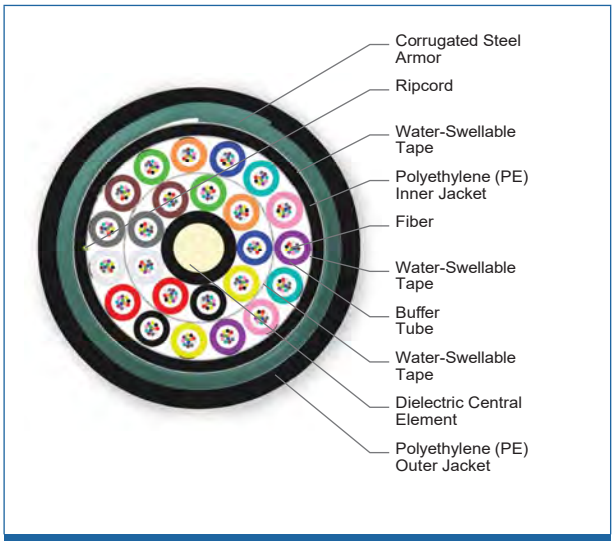
CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 288 Fibers | Photo PIM0546



ALTOS Gel-Free, Double-Jacket, Single-Armored Cables, 288 Fibers | Photo PIM1445

Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

** Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.*

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

Mechanical Characteristics Cable						
Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
12 - 72	6	1 - 6	179 kg/km (120 lb/1000 ft)	14.3 mm (0.56 in)	215 mm (8.4 in)	143 mm (5.6 in)
96	8	8	219 kg/km (147 lb/1000 ft)	16 mm (0.63 in)	240 mm (9.4 in)	160 mm (6.3 in)
144	12	12	318 kg/km (213 lb/1000 ft)	19.7 mm (0.78 in)	296 mm (11.6 in)	197 mm (7.8 in)

CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Mechanical Characteristics Cable						
Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Instal-lation	Min. Bend Radius Ope-ration
192 - 216	18	16 - 18	312 kg/km (209 lb/1000 ft)	19.9 mm (0.78 in)	299 mm (11.8 in)	199 mm (7.8 in)
288	24	24	384 kg/km (257 lb/1000 ft)	22.2 mm (0.87 in)	333 mm (13.1 in)	222 mm (8.7 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Transmission Performance

Multimode				
Fiber Core Diameter (µm)	62.5	50	50	50
Fiber Category	OM1	OM2	OM3	OM4
Fiber Code	K	T	T	T
Performance Option Code	30	31	80	90
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/500	1000/600	1100/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-

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ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Single-mode					
Fiber Name	SMF-28e+® LL	SMF-28® Ultra fiber**	Single-mode (OS2)	Single-mode (OS2)	LEAF® fiber
Fiber Category	G.652.D	G.652.D/G.657.A1	G.652.D	G.652.D	G.655
Fiber Code	L	Z	E	E	F
Performance Option Code	22	22	00	01	01
Wavelengths (nm)	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.34/0.34/0.22	0.34/0.34/0.22	0.35/0.35/0.25	0.4/0.4/0.3	-/-/0.25
Typical Attenuation* (dB/km)	0.32/0.32/0.18	0.32/0.32/0.18	-	-	-/-/0.19

Fiber Name	SMF-28® ULL
Fiber Category	G.652
Fiber Code	P
Performance Option Code	19
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.33/-/0.19
Typical Attenuation* (dB/km)	0.31/-/0.17

** For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf*

** * SMF-28® Ultra fiber delivers up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.*

CORNING

ALTOS® Gel-Free, Double-Jacket, Single-Armored Cables, 12-288 Fibers

CORNING

Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*

□	□	□	□	U	5	-	□	□	1	□	□	D	2	0
1			2	3	4		5	6	7		8	9	10	

1 Select fiber count.
Standard offerings:
012-288 (ncrements of 12)

2 Select fiber code.
K = 62.5 µm multimode (OM1)
T = 50 µm multimode (OM2/OM3/OM4)
= Single-mode (G.652.D)
L = Single-mode (G.652.D) SMF-28e+® LL
Z = Single-mode (G.652.D/G.657.A1) SMF-28® Ultra
P = Single-mode (G.652) SMF-28® ULL
F = Single-mode (G.655) L AF®

3 Defines cable type.
U = ALTOS® Gel-Free Cable

4 Defines outer jacket.
5 = Armor Lite™ Cable

5 Select fiber placement.
T = 12 fibers/buffer tube (standard)
6 = 6 fibers/buffer tube
See Note 1.

6 Select length markings.
3 = Markings in meters
4 = Markings in feet (standard)

7 Defines tensile strength.
1 = 2700 N/600 lbf (standard)

8 Select performance option code.
30 = 62.5 µm multimode (OM1)
31 = 50 µm multimode (OM2)
80 = 50 µm multimode (OM3)
90 = 50 µm multimode (OM4)
01 = Single-mode (OS2)
(Max. attenuation 0.4/0.4/0.3 dB/km)
00 = Single-mode (OS2)
(Max. attenuation 0.35/0.35/0.25 dB/km)
22 = Single-mode (OS2)
(Max. attenuation 0.34/0.34/0.22 dB/km)
19 = Single-mode (Ultra Low-Loss)
(Max. attenuation 0.33/-/0.19 dB/km)
01 = Single-mode NZDSF*
(Max. attenuation -/-/0.25 dB/km)
**Non-Zero Disperson-Shifted Single-mode Fiber*

9 Defines cable type.
D = ALTOS® Gel-Free Cable

10 Defines special requirements.
20 = No special requirements

1) Cable outer diameter may change. Example: 48 F cable with 6 fibers per tube will require 8 active buffer and have an OD like a standard 96 F cable.

RoHS COMPLIANT

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm
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CORNING

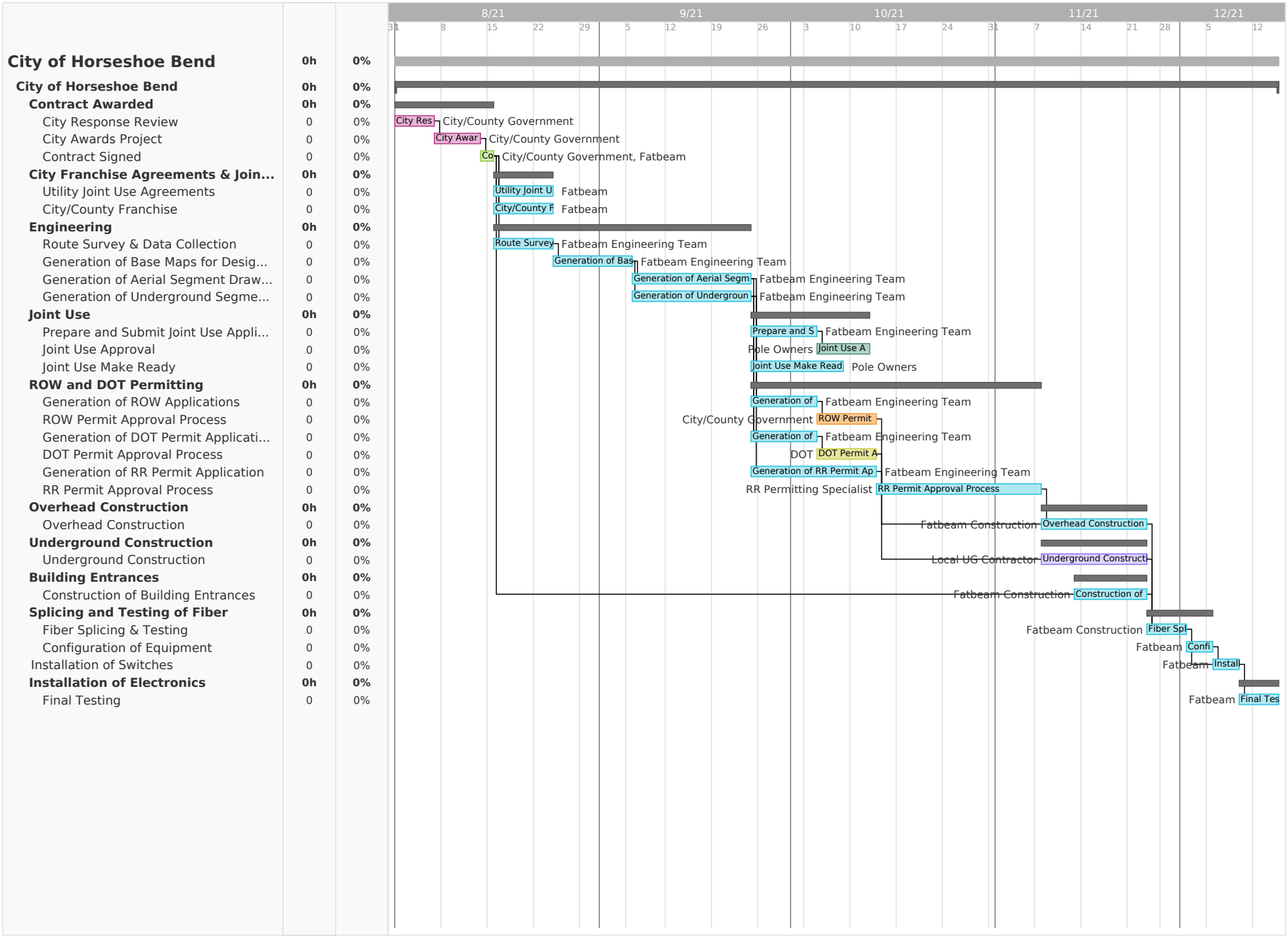
Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

City of Horseshoe Bend

City of Horseshoe Bend	0%	Start	Due	Assigned
Contract Awarded	0%			
City Response Review	0%	Aug 1, 2021	Aug 6, 2021	City/County Government
City Awards Project	0%	Aug 7, 2021	Aug 13, 2021	City/County Government
Contract Signed	0%	Aug 14, 2021	Aug 15, 2021	City/County Government, …
City Franchise Agreements & Joint	0%			
Utility Joint Use Agreements	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam
City/County Franchise	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam
Engineering	0%			
Route Survey & Data Collection	0%	Aug 16, 2021	Aug 24, 2021	Fatbeam Engineering Team
Generation of Base Maps for Design Work	0%	Aug 25, 2021	Sep 5, 2021	Fatbeam Engineering Team
Generation of Aerial Segment Drawings	0%	Sep 6, 2021	Sep 24, 2021	Fatbeam Engineering Team
Generation of Underground Segment	0%	Sep 6, 2021	Sep 24, 2021	Fatbeam Engineering Team
Joint Use	0%			
Prepare and Submit Joint Use Application	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
Joint Use Approval	0%	Oct 5, 2021	Oct 12, 2021	Pole Owners
Joint Use Make Ready	0%	Sep 25, 2021	Oct 8, 2021	Pole Owners
ROW and DOT Permitting	0%			
Generation of ROW Applications	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
ROW Permit Approval Process	0%	Oct 5, 2021	Oct 13, 2021	City/County Government
Generation of DOT Permit Application	0%	Sep 25, 2021	Oct 4, 2021	Fatbeam Engineering Team
DOT Permit Approval Process	0%	Oct 5, 2021	Oct 13, 2021	DOT
Generation of RR Permit Application	0%	Sep 25, 2021	Oct 13, 2021	Fatbeam Engineering Team
RR Permit Approval Process	0%	Oct 14, 2021	Nov 7, 2021	RR Permitting Specialist
Overhead Construction	0%			
Overhead Construction	0%	Nov 8, 2021	Nov 23, 2021	Fatbeam Construction
Underground Construction	0%			
Underground Construction	0%	Nov 8, 2021	Nov 23, 2021	Local UG Contractor
Building Entrances	0%			
Construction of Building Entrances	0%	Nov 13, 2021	Nov 23, 2021	Fatbeam Construction
Splicing and Testing of Fiber	0%			
Fiber Splicing & Testing	0%	Nov 24, 2021	Dec 1, 2021	Fatbeam Construction
Configuration of Equipment	0%	Dec 2, 2021	Dec 5, 2021	Fatbeam
Installation of Switches	0%	Dec 6, 2021	Dec 9, 2021	Fatbeam
Installation of Electronics	0%			
Final Testing	0%	Dec 10, 2021	Dec 15, 2021	Fatbeam

Deployment Schedule: Fatbeam will work in good faith and in a commercially reasonable manner to deliver the services by the agreed upon deployment schedule, which will be determined by the parties prior to the commencement of the project.



Deployment Schedule: Fatbeam will work in good faith and in a commercially reasonable manner to deliver the services by the agreed upon deployment schedule, which will be determined by the parties prior to the commencement of the project.

State of Idaho Broadband Grant CARES Act Certification

City of Horseshoe Bend

STATE OF Idaho
COUNTY OF Boise

The undersigned Patrick Goff, representing the City of Horseshoe Bend, 112 Ada Street, Horseshoe Bend, Idaho, hereby swear (affirm) that:

1. I am the Mayor of City of Horseshoe Bend and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein, and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.
    i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
    ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Applicant to complete this section with information regarding how they will meet the above CARES Act Criteria.

Community Access Networks: providing for high-speed connectivity and public WiFi at key community location and creates a network base for greater city meshed WIFI network in the future

✓ **Public Safety**: providing for secure and high-speed connectivity for enabling city facilities to all be on the same network creating the foundation for network stability & scalability

✓ **Telehealth**: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running

✓ **Education**: providing for secure and high-speed connectivity for students in the City of Horseshoe Bend community by providing access to a reliable network through integrated community access at the city hall and adjacent city park included above

Signature

07/15/2021
Date

SUBSCRIBED AND SWORN before me on this 15th day of July, 2021

TERRIE NOLAN
NOTARY PUBLIC - STATE OF IDAHO
COMMISSION NUMBER 60364
MY COMMISSION EXPIRES 9-28-2024

Terrie Nolan
Notary Public for Idaho
Residing at Horseshoe Bend Idaho
Commission expires Sept. 28, 2024

CITY OF HORSESHOE BEND

City Facility Fiber Network

Fatbeam Fiber Network

fatbeam

CITY OF HORSESHOE BEND

1 GIG DIA to City Hall & Community Wi-Fi Access in City Park

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Loretta Vollmer
Applicant ID	APP-004828
Company Name	Notus
Recipient Address	Notus PO Box 257 Notus, ID 83656
Phone	(208) 459-6212
Email	notuscityclerk@gmail.com
Amount Requested	$1,025,000.00
Status	Submitted
Funded	☐

Application Title: Connecting Notus to the rest of the Treasure Valley and beyond

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Marie Eilers, Treasurer
375 Notus Road, Notus, Idaho 83656
notuscitytreasurer1@gmail.com
208.459.6212

Question: List the cities/communities in the census blocks where the project(s) will take

place.

The fiber build begins in census tract 219.04 and along tract #212 but ends at the City of Notus census tract #58060

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Tina G Wilson, Executive director
Western Alliance for Economic Development
tina@westernallianceed.org
208.615.6083

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

This project could be funded in phases. We recognize this is a lot at one time. Our primary goal would be to get fiber to City Hall and the city Library. The spokes to the city's water tower and well could be funded under future grant opportunities. Notus has been a drive through town for too long. In the last round of CARES act broadband, the Notus library was not included in the statewide library project and they are not included in the application going in for this round. Intermountain has a main pipe line along the highway through town but doesn't serve the city - no natural gas in Notus. We want to be relevant and provide our citizens with a future opportunity to have reliable high speed internet. The public wi-fi spots will help with that. Fiber is on Highway 19 to Greenleaf and it looks like Parma will have their fiber come in from the north, via highway 95. This leaves the City of Notus out of the loop for being being served by high-speed fiber because it is just passing through. Overview of our project: First, starting at Interstate 84 and heading west to City Hall (375 Notus Rd): Syringa Networks will install and deliver a 1G dedicated internet connection to City Hall. We will install and provision the electronics required to provide public Wi-Fi access inside City Chambers where City Council Meetings are held. A dedicated 1G circuit and Wi-Fi access will significantly improve city employees and council members ability to access and upload information to the internet. In addition, this provides City Council with the ability to share internet-based information and establish videoconferencing with its constituents during City Hall meetings. Second, from City Hall to the City Library (387 1st St): Syringa Networks will construct fiber optic cable to the City

Library as a termination point to deliver dedicated internet services. We will install and provision the electronics required to provide Library patrons with access to a public high-speed Wi-Fi connection. With consideration to future growth, Syringa Networks will pre-splice fiber routes from the City Library to City Hall. This will allow for future rapid deployment without additional construction or splicing. If there is funding available, we would like to then take dedicated fiber to the Water Tower (485 Jasper Ave) and Well #4 (707 Notus Rd): Syringa Networks will construct fiber optic cable to the City's Water Tower and Well #4 facilities. The connection of these facilities provides the City with a more reliable and secure connection to remotely monitor their waterflow systems for public safety reasons. With consideration to future growth, Syringa Networks will pre-splice fiber routes from the Water Tower and Well #4 to City Hall. This will allow for future rapid deployment without additional construction or splicing.
Syringa Networks will be the provider of the proposed service.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

It is only a matter of time before Notus is noticed for its location. The city has been working hard to bring its land use policies up-to-date and build a solid foundation for development. Previously projects have noticed Notus and then looked elsewhere because of no natural gas and reliable internet. This high-speed fiber to City Hall will change that. The Wi-fi spots will allow for access from a car or inside the library and city hall. With the fiber spoke to the City Tower and wells, gives the school district the ability to tap in at a later date, to serve their school buildings. As you can see the cost of constructing the backbone of fiber is very expensive ~ if the school district or the residents had to pay for this construction, it would take a long time to recoup the ISP provider's investment. ISP providers are not jumping in to serve this city, not enough roof tops to make it worth their while. I commend Syringa Networks for being willing to step in to help out this community

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

This broadband infrastructure and service proposal for the City of Notus is based on key learnings from Syringa's visit to the City of Notus, tour of existing facilities and meetings with key stakeholders. With this proposal we are keeping with the spirit and intent of the CARES Act funding to provide service to underserved rural Idaho and in doing so we are providing a solution to meet the City of Notus' most pressing needs for high- speed fiber-based internet now, while proving critical broadband infrastructure that can be scaled for future growth to serve the citizens of Notus.
In addition, the deployment of fiber into the City of Notus (population of 638 people, 2019 city data) is a key first step that can be leveraged to connect residents to fiber-based services in the future, while becoming a focal point for economic development discussions with industry.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution

to the community?

Though this grant does not directly provide fiber to the home, it does lay the groundwork for future projects to provide fiber to the home. By using a grant to pay for the construction of the fiber backbone from I-84 to the City of Notus, removes that cost being borne by the citizens and businesses that call or will call home to this city.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

The match for this is project is via in-kind services. The time and talents of Marie Eilers, City Treasurer and Tyler Martin, Public Works Supervisor will be utilized throughout this project. As a small city with a smaller tax base, cash to spare is difficult to come by. The city has budgeted funds to pay the $495 monthly connection fee to Syringa Networks for the fiber to City Hall

Question: Estimated total project cost?

1025000.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

n/a

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

n/a

Question: What is the maximum broadband speed that will be provided by the project?

1 G to the HUB at city Hall, 150 mb to each of the city facilities

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes, all permits are obtainable for this project. Syringa Networks will work with ITD, Notus Parma Highway District and the local irrigation districts in order to reach Notus City Hall

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

Syringa Networks is our partner on this project. They are a well established company in business for over 20 years.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

It will be administered by Tina Wilson, Western Alliance for Economic Development, working closely with the Marie Eilers, Notus treasurer on the accounting side. Tina will be working with the Syringa Networks team to ensure that construction has been completed according to the proposal. Marie will make sure that all of the financial matters are handled properly

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

no, the city of Notus has not received any federal funding in the past two years nor is the city aware of any funding to be received over the next two years.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No, the city of Notus did not get any Cares Act Broadband Grants in the past 2 years

Question: Include any other relevant information as to why your project should be considered for funding.

This project will connect the City's critical infrastructure to broadband services and will provide Wi-Fi in public spaces for citizen use. Additionally, this allows for the addition of modern security tools and monitoring systems in the future. This includes, but is not limited to monitoring door access, providing remote door access, installing external cameras for security and internal cameras for monitoring and inspection of public works facilities and systems. Currently, city well and tower can only be inspected in person, causing delays to resolving issue. This grant will help bring Notus into the technology age by allowing them to use available tools to keep their city running efficiently.

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

No Attachments

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

City of Notus Broadband Grant Proposal.pdf (7/15/2021 5:29 PM)
CR-600540 City of Notus v6 - Fiber build for Grant[5].kmz (7/15/2021 5:28 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget-Notus.pdf (7/15/2021 5:27 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

City of Notus_Construction Timeframe.docx (7/15/2021 5:27 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Broadband cert. 7-14-2021.pdf (7/15/2021 5:37 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

No Attachments

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

No Attachments

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

Notus construction map.docx (7/15/2021 5:29 PM)

Syringa NETWORKS

City of Notus
Idaho Broadband Grant

Syringa Networks
Proposal

July 14, 2021

July 14, 2021

Mayor Porterfield
City of Notus
375 Notus Road
Notus, Idaho 83656

Dear Mayor Porterfield,

Syringa Networks appreciates the opportunity to collaborate with the City of Notus on the Idaho Broadband Grant Program application. As an Idaho based company, we are pleased to provide a strategic approach in delivering broadband services from our dedicated team with a high level of experience and customer service. We believe the solutions outlined in this response will provide the City with the most efficient and effective means to meet the goals and intent of the Broadband Grant Program.

Syringa Networks has been headquartered in Boise for more than 20 years. As a local, fiber-based internet provider, we value the longstanding relationships we have with many businesses in Idaho. We own and operate a facilities-based, self-healing fiber optic communications network. Designed for performance and reliability, our network has virtually unlimited capacity and incorporates both physical and electronic redundancy schemes. In addition to high-speed, reliable internet services, we also provide voice, IT, and cybersecurity services. We service more than 160 cities across the state of Idaho and look forward to extending our services to the City of Notus.

We are excited about the opportunity to work with you to create a positive economic impact in Idaho and ensure the availability of high-speed access and connectivity services to the City of Notus. Thank you for your consideration. We look forward to answering any questions you may have.

Sincerely,

Greg Lowe
President & CEO

Syringa Networks, LLC
12301 W Explorer Drive
Boise, ID 83713

Summary of Work

Syringa Networks is pleased to present the following broadband infrastructure and service proposal to the City of Notus. Our proposal is based on key learnings from our visit to the City of Notus, tour of existing facilities and meetings with key stakeholders. With this proposal we are keeping with the spirit and intent of the CARES Act funding to provide service to underserved rural Idaho and in doing so we are providing a solution to meet the City of Notus' most pressing needs for high-speed fiber-based internet now, while proving critical broadband infrastructure that can be scaled for future growth to serve the citizens of Notus.

With this proposal Syringa Networks will construct a fiber optic cable route to the City of Notus for a dedicated connection to their City Hall, Library, Water Tower, and Well #4 facilities. This project will connect the City's critical infrastructure to broadband services and will provide Wi-Fi in public spaces for citizen use. Additionally, this allows for the addition of modern security tools and monitoring systems in the future. This includes, but is not limited to monitoring door access, providing remote door access, installing external cameras for security and internal cameras for monitoring and inspection of public works facilities and systems.

In addition, the deployment of fiber into the City of Notus (population of 638 people, 2019 city data) is a key first step that can be leveraged to connect residents to fiber-based services in the future, while becoming a focal point for economic development discussions with industry.

Lastly, Syringa Networks has a long and proud history of connecting rural Idaho. This project aligns with our mission of providing network connectivity to additional underserved communities, like the City of Parma and the City of Wilder with fiber-based broadband service to help those communities drive economic development and connect their residents to high-speed internet services.

Service Offering

City Hall (375 Notus Rd): Syringa Networks will install and deliver a 1G dedicated internet connection to City Hall. We will install and provision the electronics required to provide public Wi-Fi access inside City Chambers where City Council Meetings are held. A dedicated 1G circuit and Wi-Fi access will significantly improve city employees and council members ability to access and upload information to the internet. In addition, this provides City Council with the ability to share internet-based information and establish videoconferencing with its constituents during City Hall meetings.

City Library (387 1st St): Syringa Networks will construct fiber optic cable to the City Library as a termination point to deliver dedicated internet services. We will install and provision the electronics required to provide Library patrons with access to a public high-speed Wi-Fi connection. With consideration to future growth, Syringa Networks will pre-splice fiber routes from the City Library to City Hall. This will allow for future rapid deployment without additional construction or splicing.

Water Tower (485 Jasper Ave) and Well #4 (707 Notus Rd): Syringa Networks will construct fiber optic cable to the City's Water Tower and Well #4 facilities. The connection of these facilities provides the City with a more reliable and secure connection to remotely monitor their waterflow systems for public safety reasons. With consideration to future growth, Syringa Networks will pre-splice fiber routes from the Water Tower and Well #4 to City Hall. This will allow for future rapid deployment without additional construction or splicing.

Service Proposal

Turnkey Engineering, Project Management, Construction, and Equipment Installation

Total Project Cost (one-time cost): **$1,020,000**

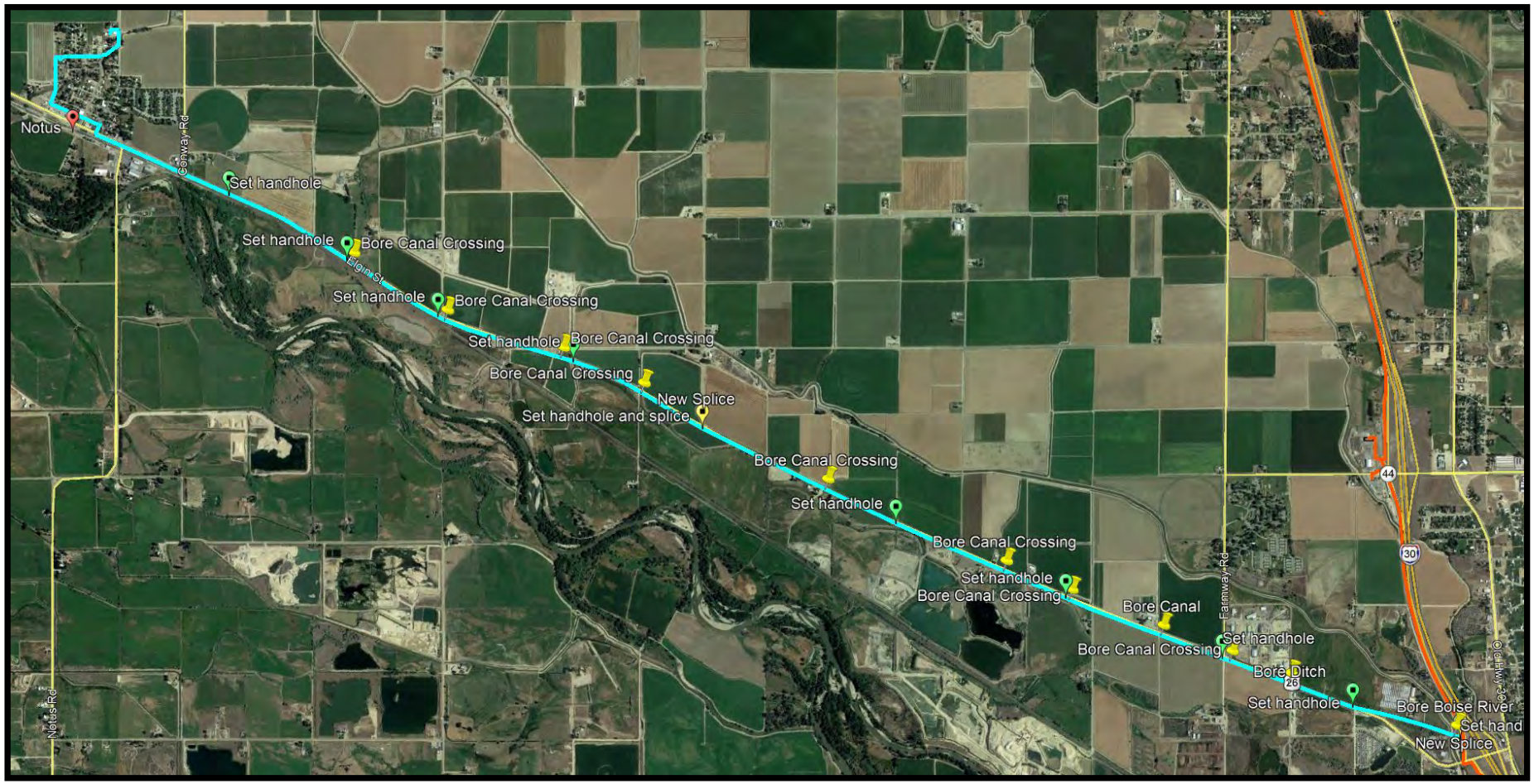
- City Hall, 375 Notus Rd: $885,000
- City Library, 387 1st St: $25,000
- Water Tower, 485 Jasper Ave: $55,000
- Well #4, 707 Notus Rd: $55,000

Monthly Service Cost (60-month term):

- City Hall – 1G symmetrical internet with public and private Wi-Fi, $495/mo.
- City Library – 150mb ethernet connection with public and private Wi-Fi, $150/mo.
- Water Tower – 150mb ethernet connection with private Wi-Fi, $150/mo.
- Well #4 – 150mb ethernet connection with private Wi-Fi, $150/mo.

Fiber Optic Route Design

6.60 miles of Underground Construction



Closer View of Fiber Optic Route Connecting the City and Facility Buildings

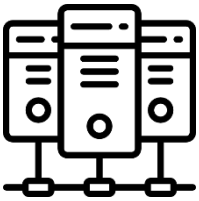
Single Source Solution Provider

Fiber-based Internet

IT Services & Security

Global Networking

Voice Services & Microsoft Teams



Colocation Services

Cloud Services

24/7 Network Monitoring

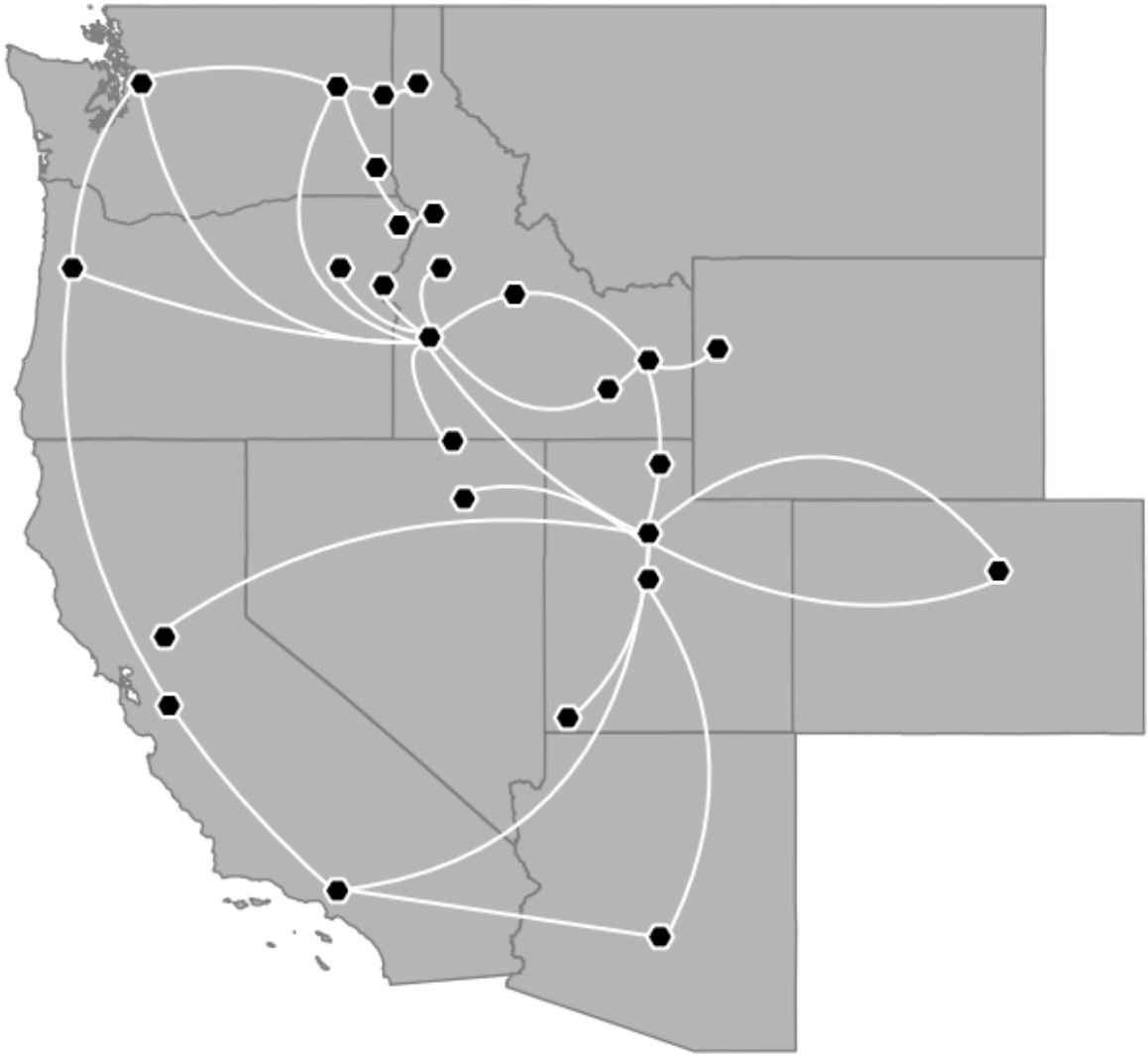
Network Features and Benefits

Network Features and Benefits	
Ring Protected Fiber Network	In the event of a network outage, traffic is re-routed over an alternate path, keeping your data services running seamlessly.
Regionally Dispersed Data Switching Equipment	Localized switching equipment means shorter, more direct network paths, resulting in faster data transfer speeds.
Direct & Diverse Internet Access Service	Syringa Networks maintains direct connections to major Internet traffic exchanges, as well as redundant circuits to Internet content providers. This architecture ensures fast, cost effective, 'always on' internet access.
Managed Internet Bandwidth Capacity	Unlike many providers who oversubscribe their backbone, Syringa Networks maintains excess capacity, and proactively monitors and manages its network to ensure optimal data throughput.
400 Gigabit In-Region Backbone	Far exceeds the current capacity needs, ensuring that additional bandwidth needs are readily available.

Regional Coverage Area

Performance and Reliability

Designed for performance and reliability, our network has virtually unlimited capacity and incorporates both physical and electronic redundancy schemes. Syringa Networks owns and operates a facilities-based, self-healing fiber optic communications network.



Syringa Networks Support

Syringa Networks customers can rest assured their services are being monitored around the clock by our local Network Operations Center (NOC). Our NOC is staffed 24/7 with trained experts to ensure the performance and security of your network.

Report Service Interruption or Service-Related Issue:

Contact:	**24-Hour Network Operations Center**	**(800) 454-7214** noc@syringanetworks.net
Please provide:	Circuit ID (CID) Provide your CID and details regarding the trouble/service interruption. A NOC Technician will provide you with a Trouble Ticket Number.	

Check Status of Reported Service Interruption or Issue:

Contact:	**24-Hour Network Operations Center**	**(800) 454-7214** noc@syringanetworks.net
Please provide:	Trouble Ticket Number	

Escalate Service Interruption or Issue:

LEVEL 1:	**Network Operations Center** After initial contact, if you do not receive an update within 60 minutes, escalate to Level 2/NOC Manager or On-Call Manager.	**(800) 454-7214**
LEVEL 2: Business Hours	**NOC Manager – Jamie Nichols** Monday-Friday, 7:00 am to 6:00 pm. If you do not receive an update within 30 minutes, escalate to Level 3/General Manager.	**(208) 249-6289**
LEVEL 3: After Hours	**On-Call Manager** After business hours and on weekends. If you do not receive an update within 30 minutes, escalate to Level 3/General Manager.	**(208) 229-6101**
LEVEL 3:	**General Manager Idaho & Utah** **West Idaho/Nevada – Natasha Tattersall** **Utah/East Idaho – Gabe Gomez** If you do not receive an update within 30 minutes, escalate to Level 4/VP of Operations.	 **(208) 869-6694** **(801) 462-0883**
LEVEL 4:	**VP of Operations – Rick McKinney**	**(208) 891-4077**

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Fiber Hut & all required Electronics and Accessories	$ 132,860				$ 132,860
Wi-Fi Supplies and Equipment	$ 73,414				$ 73,414
Equipment Machinery & misc supplies	$ 407,235				$ 407,235
Employee Salary (project Labor)	$ 67,000				$ 67,000
Totals	$ 680,509	$ 0	$ 0	$ 0	$ 680,509

City of Notus Idaho Broadband Grant
Project Timeline

ACTIVITY	DATE RANGE	RESPONSIBLE PARTY
Kick-off Meeting	08/03/2021	Syringa Networks and City of Notus
Completion of fiber route field staking design	08/27/2021	Syringa Networks
Contractor(s) awarded	09/10/2021	Syringa Networks
Construction permit approvals (4-6wks application process)	10/08/2021	Syringa Networks
Construction activities completed	12/15/2021	Syringa Networks
Splicing activity	12/17/2021	Syringa Networks
Pre-installation of equipment	12/13/2021	Syringa Networks
Provisioning and testing to turn-up services	12/22/2021	Syringa Networks and City of Notus

City of Notus
P.O. Box 257
375 Notus Road
Notus, Idaho 83656
Office: 208.459.6212 Fax:
208.459.0925
notuscityclerk@gmail.com

State of Idaho Broadband Grant CARES Act Certification

STATE OF Idaho
COUNTY OF Canyon

The undersigned David Porterfield, representing the City of Notus, 375 Notus Road, Notus, Idaho, hereby swear (affirm) that:

1. I am the Mayor of City of Notus and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein, and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.
    i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
    ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Applicant to complete this section with information regarding how they will meet the above CARES Act Criteria.

- Community Access Networks: providing for high-speed connectivity and public WiFi in key community locations
- Public Safety: providing for secure and high-speed connectivity for enabling public safety in City of Notus by connecting City Hall with access to 1 GIG Dedicated Internet via a dark fiber connection
- Telehealth: providing for secure and high-speed connectivity for telehealth either as a follow up soon as this foundational infrastructure is up and running
- Education: providing for secure and high-speed connectivity for students in the City of Notus community by providing foundational access to a reliable network through integrated community access at the specific parks included above

David Porterfield
Signature

July 14, 2021
Date

SUBSCRIBED AND SWORN before me on this 14 day of July, 2021

LORETTA VOLLMER NOTARY PUBLIC Comm. No. 61416 STATE OF IDAHO

Loretta Vollmer
Notary Public for Idaho
Residing at 375 Notus Rd
Notus ID 83656
Commission expires April 9, 2025

Notus construction map

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Shelley Essl
Applicant ID	APP-004841
Company Name	Elmore County
Recipient Address	Elmore County 150 S 4th E Ste 3 Mountain Home, ID 83647
Phone	(208) 587-2130 x1210
Email	sessl@elmorecounty.org
Amount Requested	$434,784.00
Status	Submitted
Funded	☐

Application Title: King Hill and Elmore County Broadband Project

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

a. Shelley Essl
b. Elmore County Clerk
c. 150 S 4th E St Mountain Home, ID 83647
d. Sessl@elmorecounty.org
e. 208.587.2130 Extension 500

Question: List the cities/communities in the census blocks where the project(s) will take place.

The Unincorporated City of King Hill and contiguous Elmore County households.

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

a. Jake Goddard, Disaster Recovery Assistant
Region IV Development, Inc.
b. jgoddard@csi.edu
c. 208-732-5727 Extension – 3013

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

The King Hill Project is designed to cover the unincorporated city of King Hill and the surrounding countryside. This project is shovel ready and can definitely be completed by December of this year.

The project will encompass one tower 140ft tall. This tower will be equipped with two technologies. One technology will be LTE broadcasting in the 3.5Ghz range and one technology will be Long Term Ubiquity (LTU) broadcasting in the 5Ghz range. The LTE technology will be capable of delivering 25x3 MBPS and the LTU technology will be capable of delivering 100x10 MBPS.

King Hill is a difficult area to get bandwidth too so it will require one microwave hop from an existing White Cloud site to reach the new tower. We have figured out already that the old Water Tower in Glenns Ferry would be the optimal relay point. We have an existing tower on the Black Mesa bluff above Glenns Ferry. Because King Hill sits in a hole there is no shot from the Black Mesa tower to the proposed King Hill tower. The solution is to shoot the bandwidth from Black Mesa to the Water Tower and from the Water Tower to King Hill.

We have already approached the City Council of Glenns Ferry to ask permission to locate our equipment on the Water Tower. They made a motion and passed a resolution approving us to

use the Water Tower as a communication site to reach King Hill with bandwidth. The agreement was we would agree to fence in the base of the tower and pay a fair monthly rent to be determined.

Much work was done to find the optimal tower site location. We have identified a site on the farmland of Dewey Crane as a site that will cover the city of King Hill well and still cover the rural area outside of King Hill. We have come to an agreement with Dewey Crane to allow us to place a tower on his land. There is power line right there which makes it nice.

We will utilize a tower from the World Tower Corporation which are made in Mayfield, Kentucky. World Tower has assured us they can build and deliver a tower in the timelines needed for us to complete this project on time. We will utilize River City Tower to erect the tower. They have assured us they can complete this project in time.

We have talked to all of our suppliers and they have assured us they can provide us with all the equipment to complete this project in time.

We have already started the land use permitting process with Elmore County on the tower site. The permitting process can be completed in the timelines needed for this grant.

White Cloud Communications is ideally suited to complete this project as they have done all of the legwork to make this project shovel ready.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

The topography and location of King Hill has left it undeserved leaving the people there with inadequate services. White Cloud Communications has an existing site that can reach the project area with one microwave hop to reach a new tower. This would give the people access to the services they deserve.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

The project would address the inadequate services for broadband in the King Hill area. King Hill is a difficult area to get bandwidth too due to its topography and location. Much work was done to find the optimal tower site location. The identified site for the tower will cover the city of King Hill well and still cover the rural area outside of King Hill. By implementing this wireless technology, it will allow for better emergency services that mitigate similar disruptions in the future.

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

Because of the topography and location of King Hill this project is an ideal situation to utilize wireless technology. Because of the distance from a current internet Point of Presence, running fiber to all of the homes in this proposed service area would be much more expensive than this wireless solution. The ISP has purchased at auction from the FCC Priority Access Licenses in the 3.5-3.65Ghz range for all of Elmore County. These licensed frequencies are ideal for this project because they will guarantee clean frequencies with no interference.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

The King Hill Broadband project does not have a matching component for the unincorporated city or the contiguous county households. However, they will be working together to utilize this unique broadband plan.

Question: Estimated total project cost?

434784.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

152

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

$3,057.79

Question: What is the maximum broadband speed that will be provided by the project?

100x10 MBPS

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes, all permits, permissions, and zoning requirements are obtainable in the required timelines. All permissions needed have already been obtained. The conditional use permit application has already been started and can be completed in time to allow for construction.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

White Cloud Communications will be providing the broadband service and will retain ownership

of the infrastructure. White Cloud is a 40 year old Idaho based company currently serving thousands of residents across Southern Idaho and Northern Nevada.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

Christy Acord from Elmore County is the Economic Development specialist and will do the project administration for this grant. She will also manage the audits and accounting documentation unless different arrangements are made.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over the next two years? If so, explain why additional funding was/is necessary in the project area?

No, King Hill has not received any federal funds in the past two(2) years.

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No, the King Hill area has not received any state funds for the past two(2) years.

Question: Include any other relevant information as to why your project should be considered for funding.

Not Answered

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

King_Hill_Speed_Tests.pdf (7/16/2021 2:35 PM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
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Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

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King_Hill_Tower_Site_Zoomed_in(1).pdf (7/16/2021 2:43 PM)
King_Hill_Pathway(1).pdf (7/16/2021 2:39 PM)
Coverage Area(1).kmz (7/16/2021 2:38 PM)

King_Hill_Scope_of_Work(1).pdf (7/16/2021 2:37 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

King_Hill_Elmore_County_Budget_Broadband_2021.pdf (7/15/2021 4:44 PM)

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King_Hill_Project_Schedule.pdf (7/16/2021 2:45 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

King_Hill_CARES_Act_Resolutions_and_Contracts.pdf (7/16/2021 3:49 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

King_Hill_Business_Letter_of_Support_Cindy_Sherman_Photography.pdf (7/16/2021 3:41 PM)
King_Hill_Business_Letter_of_Support(1).pdf (7/16/2021 2:48 PM)
Letters of Support King Hill Broadband(1).pdf (7/16/2021 2:48 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

King_Hill_Letter_of_Support(1).pdf (7/16/2021 2:47 PM)

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

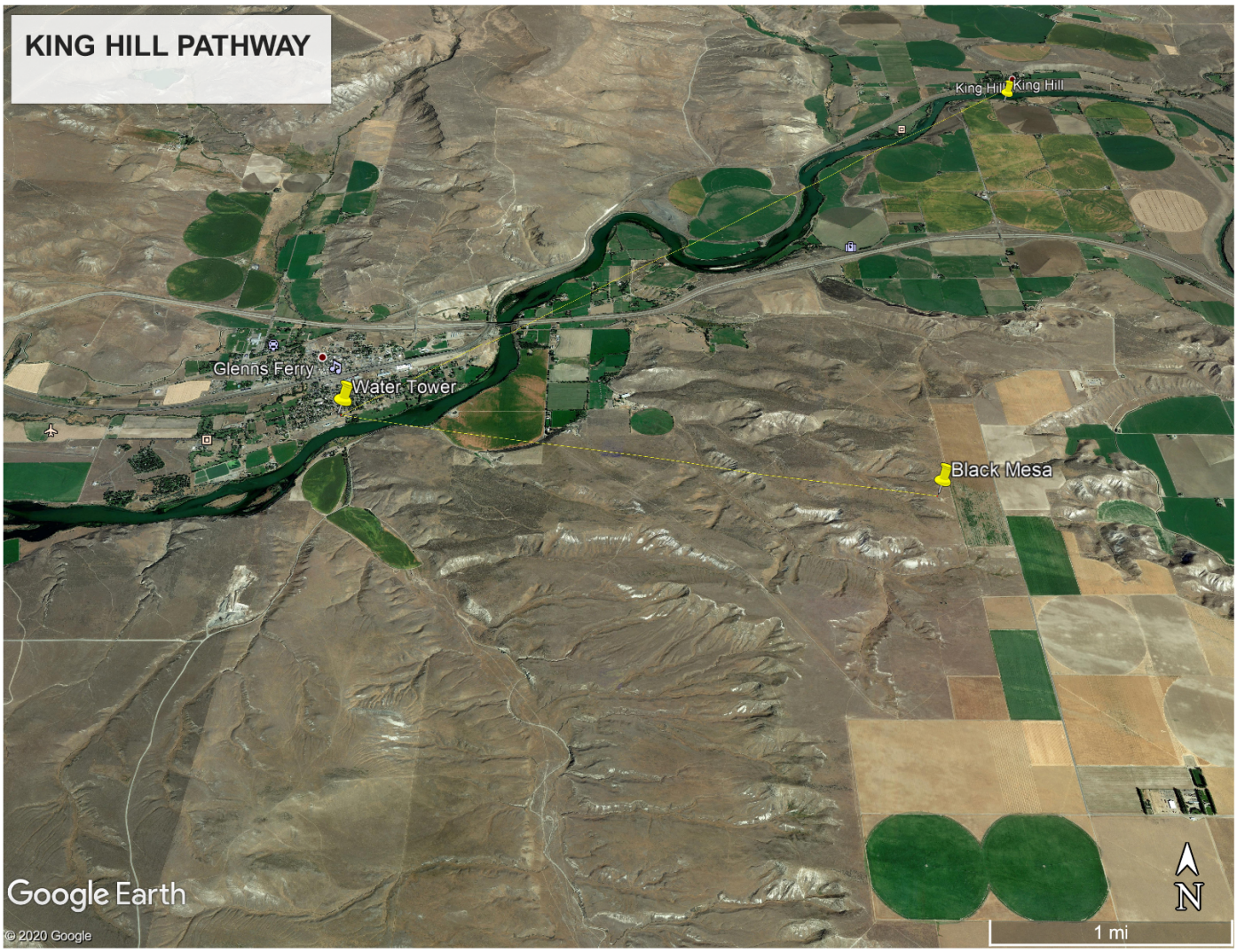
King_Hill_CARES_Act_Resolutions_and_Contracts.pdf (7/16/2021 3:50 PM)
King_Hill_Tower_Foundation(1).pdf (7/16/2021 2:52 PM)
King_Hill_Tower_Diagram(1).pdf (7/16/2021 2:51 PM)
King_Hill_Coverage_Area(1).pdf (7/16/2021 2:51 PM)

LOCATION	HOT SPOT	PING	DOWNLOAD	JITTER	
6657 MONTGOMERY ROAD, KING HILL	YES	69	0.5	31	
6688 MONTGOMERY ROAD, KING HILL	YES	61	11.1	11	
5043 E RUBERRY ROAD. KING HILL	YES	64	6.09		
3773 N.TATER LANE KING HILL	YES	109	1	21	
4288 NORTH MCNUTT LANE, KING HILL	YES, 2 EACH	75	6.3	11	
4294 N WASHINGTON AVE. KING HILL	Hughes net	782	11.9		
North Idaho Avenue, King Hill	Hughes net	801	3.07		
4128 Douglas Ave, King Hill	Hughes net	784	33.94		
5567 Henry Jones Rd., King Hill	Verizon phones	29 ms	22.8 ms	17 ms	

UPLOAD

0.1	DESKTOP	business
0.8	DESKTOP	business
6.67	DESKTOP	business
0.4	LAPTOP	business
0.3	LAPTOP	business
0	desk top	business
0	laptop	
2.53	has a booster	2 businesses
2.18	cell phone only	
		business

King Hill Coverage Area
Zoomed in view of tower site.
Idaho Ave
Mesa Ave
Park St
Washington Ave
King Hill
King Hill
N Frontage Rd
Pritchett Rd
Tower Site
Legend
Edgewater Ran
King Hill
King Hill
King Hill Covera
River Ranch Re
Tower Site


KING HILL PATHWAY
King Hill
King Hill
Glenns Ferry
Water Tower
Black Mesa
Google Earth
© 2020 Google
N
1 mi

The King Hill Project is designed to cover the unincorporated city of King Hill and the surrounding countryside. This project is shovel ready and can definitely be completed by December of this year.

The project will encompass one tower 140ft tall. This tower will be equipped with two technologies. One technology will be LTE broadcasting in the 3.5Ghz range and one technology will be Long Term Ubiquity (LTU) broadcasting in the 5Ghz range. The LTE technology will be capable of delivering 25x3 MBPS and the LTU technology will be capable of delivering 100x10 MBPS.

King Hill is a difficult area to get bandwidth too so it will require one microwave hop from an existing White Cloud site to reach the new tower. We have figured out already that the old Water Tower in Glenns Ferry would be the optimal relay point. We have an existing tower on the Black Mesa bluff above Glenns Ferry. Because King Hill sits in a hole there is no shot from the Black Mesa tower to the proposed King Hill tower. The solution is to shoot the bandwidth from Black Mesa to the Water Tower and from the Water Tower to King Hill.

Because of the topography and location of King Hill this project is an ideal situation to utilize wireless technology. Because of the distance from a current internet Point of Presence, running fiber to all of the homes in this proposed service area would be much more expensive than this wireless solution. The ISP has purchased at auction from the FCC Priority Access Licenses in the 3.5-3.65Ghz range for all of Elmore County. These licensed frequencies are ideal for this project because they will guarantee clean frequencies with no interference.

We have already approached the City Council of Glenns Ferry to ask permission to locate our equipment on the Water Tower. They made a motion and passed a resolution approving us to use the Water Tower as a communication site to reach King Hill with bandwidth. The agreement was we would agree to fence in the base of the tower and pay a fair monthly rent to be determined.

Much work was done to find the optimal tower site location. We have identified a site on the farmland of Dewey Crane as a site that will cover the city of King Hill well and still cover the rural area outside of King Hill. We have come to an agreement with Dewey Crane to allow us to place a tower on his land. There is power line available on the site which makes it nice.

We will utilize a tower from the World Tower Corporation which are made in Mayfield, Kentucky. World Tower has assured us they can build and deliver a tower in the timelines needed for us to complete this project on time. We will utilize River City Tower to erect the tower. They have assured us they can complete this project in time.

We have talked to all of our suppliers, and they have assured us they can provide us with all the equipment to complete this project in time.

We have already started the land use permitting process with Elmore County on the tower site. All permissions needed have already been obtained. The conditional use permit application has already been started and can be completed in time to allow for construction..

White Cloud Communications is ideally suited to complete this project as they have done all of the legwork to make this project shovel ready. They will be providing the broadband service and will retain ownership of the infrastructure.

Project Schedule

August 2nd Upon awarding of the Grant the ISP will sign an MOU with Elmore County within 5 days

August 5th Conditional Use Permit will be completed and turned in

August 6th Special Hearing Date set for CUP, Notices filed in newspaper

August 9th All equipment ordered

Sep 29th Conditional Use Permit Granted

Oct 4th King Hill site work began. Connections from Idaho Power ordered for both sites

Oct 11th Tower foundation poured

Oct 18th Tower erected

Oct 25th Gear hung on tower and water tower

Nov 1st Testing and commissioning begins. Fences built at water tower and King Hill tower

Nov 15th Broadband broadcasting goes live, customer sign up begins

Nov 22nd Project is certified as completed

Nov 29th Paperwork is submitted to Dept of Commerce

King Hill Coverage Area
Zoomed in view of tower site.
King Hill
King Hill
Tower Site
Legend
Edgewater Ran
King Hill
King Hill
King Hill Covera
River Ranch Re
Tower Site

King Hill Coverage Area
King Hill
Tower Site
84
26
Legend
King Hill
King Hill
Tower Site

ELMORE COUNTY IDAHO BROADBAND BUDG			
Line Item	**Grant Dollars**		
1 each 140ft Tower complete with concrete, fence, power ran to site, and installation labor	$197,694.00		
2 each Backup Generator @ $7,420.00 each	$14,840.00		
2 each Outdoor Cabinet @ $8,680.00 each	$17,360.00		
2 each Switch Gear @ $21,000.00 each	$42,000.00		
2 each DC Distribution System with Batteries @ $5,320.00 each	$10,640.00		
2 each Licensed Microwave Links @ $29,400.00 each	$58,800.00		
4 each Telrad 3.5Ghz Sector @ $16,800 each	$67,200.00		
4 each LTU 5Ghz Sector @ $2,500.00 each	$10,000.00		
1 each Glenns Ferry Water Tower Power and Fence @ $6,250.00 each	$6,250.00		

Legal and Permitting Fees	$5,000.00		
Grant Administration	$5,000.00		
Totals	$434,784.00	$0.00	$0.00

ɜET 2021	
	Total
	$197,694.00
	$14,840.00
	$17,360.00
	$42,000.00
	$10,640.00
	$58,800.00
	$67,200.00
	$10,000.00
	$5,000.00

	$5,000.00
	$5,000.00
$0.00	$434,784.00

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RESOLUTION NO. 816-21

A RESOLUTION OF THE ELMORE COUNTY IDAHO BOARD OF COMMISSIONERS DECLARING THAT THERE IS ONLY ONE SERVICE PROVIDER WITHIN THE MEANING OF IDAHO CODE SECTION 67-2808(2), FOR ACQUISITION AND INSTALLATION OF INTERNET BROADBAND AND FIBER SERVICES THAT WILL BE PURCHASED IN ACCORDANCE WITH GRANT FUNDING, AND DIRECTING STAFF TO PROCEED WITH A SOLE SOURCE ACQUISITION PURSUANT TO IDAHO LAW.

At a meeting of the Elmore County (the "County") Board of Commissioners, State of Idaho, on the 16TH day of July 2021, the following Resolution was adopted, to wit:

WHEREAS, Idaho Code § 31-801 grants general powers and duties, subject to the restrictions of law, to the boards of county commissioners in their respective counties; and

WHEREAS, Idaho Code § 31-828 grants the Board authority "to do and perform all other acts ... which may be necessary to the full discharge of the duties of the chief executive authority of the county government"; and

WHEREAS, the County has the opportunity to apply for a grant award that will cover the cost to install and provide broadband internet services to a greater area of the County, including unserved and underserved areas; and

WHEREAS, the deadline for filing of the grant application is July 16, 2021; and

WHEREAS, the deadline for completion of the grant project is December 31, 2021; and

WHEREAS, White Cloud is the only entity who can supply and install the internet hardware and services during the grant's term; and

WHEREAS, Idaho Code Section 67-2808(2) allows for sole source expenditures when:

(viii) Where competitive solicitation is impractical, disadvantageous, or unreasonable under the circumstances.

BE IT THEREFORE RESOLVED BY THE ELMORE COUNTY BOARD OF COMMISSIONERS:

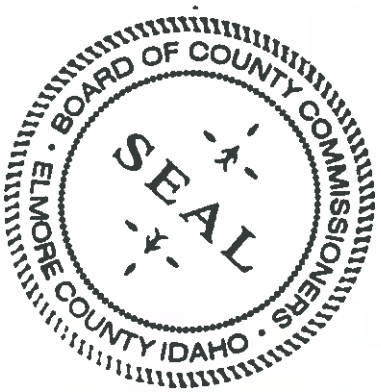
Section 1. Based on Idaho Code Section 67-2808(2) and the foregoing Recitals, which are adopted here as findings, the Board of Commissioners declares that there is only one (1) service provider that is able to accomplish the proposed projects in accordance with the grant terms.

Section 2. Notice of sole source procurement is attached as **Exhibit A,** and shall be published in the official newspaper of the County, and the County shall not enter into any contract until after fourteen (14) calendar days have run from the date notice was published.

Section 3. Staff shall proceed to negotiate a contract with the service provider, and shall notify the Board of Commissioners of any objection to this sole source procurement.

APPROVED AND ADOPTED effective this 16th day of July, 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS



Franklin L. Corbus, Chairman

Albert Hofer, Commissioner

Crystal Rodgers, Commissioner

ATTEST:

Shelley Essl,
Elmore County Clerk

Notice of Sole Source Expenditure

PROJECT TITLE: Elmore County Broadband to Households Critical Infrastructure

PROJECT SITE: Elmore County, Idaho

Elmore County hereby provides notice of a sole source procurement, pursuant to Idaho Code § 67-2808 for materials and labor to complete the broadband grant project with an expenditure of approximately $400,000. Sole Source Procurement is necessary because White Cloud, LLC, is the only local vendor that holds the desired property permissions necessary to install the equipment in a manner that complies with the associated grant. Further, there is a very small window of time to file the grant application, which requires identification of the vendor. There is also a very short time in which the product can be installed, and White Cloud, LLC, is able to meet that timeline. Questions or comments regarding this procurement should be directed to Christy Acord at 208-598-0886 or at elmorecountyedpro@gmail.com.

Advertise: July 28, 2021

Idaho CARES Act Broadband Grant Administration Services Resolution

RESOLUTION 817-21

A RESOLUTION OF COUNTY COMMISSIONERS OF ELMORE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH REGION IV DEVELOPMENT ASSOCIATION, INC TO PROVIDE GRANT WRITING AND PROJECT ADMINISTRATION SERVICES IN CONNECTION WITH THE COUNTY'S APPLICATION TO THE IDAHO BROADBAND FUNDS FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE BROADBAND INFRASTRUCTURE SYSTEM IMPROVEMENTS TO ENHANCE BROADBAND ACCESS IN OUR COMMUNITY.

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens; and

WHEREAS, the County is applying to the Idaho Broadband Fund for an Idaho Cares Act Broadband Grant program to enhance broadband access in our community; and

WHEREAS, the grant requires the services of a project administrator to oversee project implementation activities to ensure it aligns with program requirements; and

WHEREAS, the County has engaged the services of Region IV Development Association, Inc. to provide grant writing and project administration services.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COMMISSIONERS FOR THE COUNTY OF ELMORE, IDAHO, that the Chairman is authorized to sign a service agreement with Region IV Development Association, Inc. to provide grant writing and grant administrative services in connection with our project as outlined in the Idaho Cares Act Broadband Grant application.

Adopted this 16th day of June 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS

Franklin L. Corbus, Chairman

Albert Hofer, Commissioner

Crystal Rodgers, Commissioner

BOARD OF COUNTY COMMISSIONERS · ELMORE COUNTY IDAHO · SEAL

ATTEST:

Shelley Essl, Elmore County Clerk

RESOLUTION TO APPLY FOR BROADBAND GRANT UNDER THE IDAHO CARES ACT

RESOLUTION 818-21

A RESOLUTION OF COUNTY COMMISSION OF ELMORE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO SIGN AND SUBMIT AN APPLICATION TO THE IDAHO BROADBAND FUND FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE IMPROVEMENTS TO ENHANCE BROADBAND SYSTEMS IN OUR COMMUNITY.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens;

WHEREAS, the Governor for the State of Idaho declared a state of emergency on March 13, 2020 with Executive Order 2020-7 to respond to the coronavirus pandemic;

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, the County is an eligible applicant of the Idaho CARES Act Broadband Grant program and intends to apply for funding through this grant program;

WHEREAS, the County will comply with Idaho statute 67-2808 procurement since the competitive procurement solicitation and selection process is impractical, disadvantageous, or unreasonable under the circumstances of responding to this epidemic recovery effort; and will make a sole-source publication not less than 14 days before awarding the contract.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION FOR THE COUNTY OF Elmore, IDAHO, that the Chairman is authorized to sign and submit appropriate application materials to the Idaho Broadband Fund to seek funding through the Idaho CARES Act Broadband Grant program to enhance broadband access in our community.

Adopted this 16TH day of JULY ,2021.

Signature page attached.

Approved by Elmore County:

DATED this 16th day of June 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS

Franklin L. Corbus, Chairman

Crystal Rodgers, Commissioner

Albert Hofer, Commissioner

ATTEST:

Shelley Essl, Elmore County Clerk

PROJECT ADMINISTRATION CONTRACT

This contract is entered into this 16th day of July, 2021 , by and between the COUNTY OF ELMORE, whose address is 150 South 4th East, Suite 5 Mountain Home, Idaho 83647, herein referred to as the "County", and REGION IV DEVELOPMENT ASSOCIATION, INC., whose address is 202 Falls Ave., P.O. Box 5079, Twin Falls, Idaho 83303-5079, herein referred to as the "Administrator", Witnessed:

WHEREAS, the County is making application to the Idaho Broadband Fund, herein referred to as "the Department", for the receipt of grant funds under the Idaho CARES Act Broadband Grant program for the purpose of improving broadband access in the area; and

WHEREAS, the County desire to engage the Administrator to render certain services related to the administration of the above described project; and

WHEREAS, to ensure effective management of the above project, it is deemed to be in the best interest of the County to enter into an agreement with the Administrator as hereinafter provided.

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. EMPLOYMENT OF CONTRACTOR
   The County agrees to engage the Administrator, and the Administrator agrees to provide the services described in Section 6 in order to provide for the Administration and Management of the above referenced project for the County as approved by the Department.

2. EMPLOYEE-EMPLOYER RELATIONSHIP
   The contracting parties warrant by their signature that no employer-employee relationship is established between the Administrator and the County by the terms of this contract. It is understood by the parties hereto that the Administrator is an independent contractor and as such neither it nor its employees, if any, are employees of the County for purposes of tax, retirement system or social security (FICA) withholding.

3. CONTRACTOR'S INSURANCE
   The Administrator warrants that it has obtained, and will maintain at its expense for the duration of this Contract, statutory worker's compensation coverage, employer's liability, and comprehensive general liability insurance coverage for its principals and employees for the services to be performed hereunder. The comprehensive general liability insurance shall have, at a minimum, a coverage limit of at least one hundred thousand dollars ($100,000) per claim, and five hundred thousand dollars ($500,000) aggregate.

4. LIAISON
   The County's designated liaison(s) with the Administrator is Shelley Essl, County Clerk. The Administrator's designated liaison with the RIVDA is Georgia Dimick or Jake Goddard.

5. EFFECTIVE DATE AND TIME OF PERFORMANCE

This Contract takes effect July 16, 2021. The services to be performed by the Administrator will be completed no later than December 20, 2021 , as identified by the conditions of the grant program.

If the services covered by this agreement have not been completed by December 2021, through no fault of the Administrator, compensation for the extension of the Administrator's services beyond this time shall be renegotiated. Services covered by this agreement shall be paid from grant funds.

6. SCOPE OF SERVICES
The Administrator will perform the services as identified and explained on "Attachment A – Scope of Work".

It is understood and agreed by the parties that the services of the Administrator do not include any of the following: the disbursement or accounting of funds distributed by the County's financial officers, legal advice, engineering, construction management, inspection services, fiscal audits or assistance with activities not related to the project.

7. COMPENSATION
For the satisfactory completion of the services to be provided under this contract, the County will pay the Administrator a sum, not to exceed **$ 5,000.00 or 1% of the grant award, whichever is less**. The amount paid for each scope of work activity is identified on "Attachment A – Scope of Work".

8. CONFLICT OF INTEREST
The Administrator warrants that it presently has no interest and will not acquire any interest, direct or indirect, in the project that would conflict in any manner or degree with the performance of its services hereunder. The Administrator further covenants that, in performing this contract, it will employ no person who has any such interest. Should any conflict of interest, as defined by the CDBG Administrative Rules, arise during the performance of this contract, it will be disclosed and managed in accordance with applicable rules and regulations.

9. MODIFICATION AND ASSIGNABILITY OF CONTRACT
This contract contains the entire agreement between the parties, and no statements, promises or inducements made by either party or agents of either party, that are not contained in the written contract, are valid or binding. This contract may not be enlarged, modified or altered except upon written agreement signed by both parties hereto. The Administrator may not sub-contract or assign its rights (including the right to compensation) or duties arising hereunder without the prior written consent of the County and appropriate funding sources. Any sub-Administrator or assignee will be bound by all the terms and conditions of this contract.

10. TERMINATION OF CONTRACT
This contract may be terminated as follows:

a. Termination for Convenience
The County and/or Administrator may terminate this contract in whole, or in part, for the convenience of the County or Administrator when both parties agree that the continuation of the project is not in the best interest of the parties and that further expenditure of funds will not produce any results. The parties shall agree in writing, upon the conditions, effective date, and fair and reasonable payment for work completed.

c. Termination for Cause
If the County determine that the Administrator has failed to comply with the terms and conditions of this contract, it may terminate this contract in whole, or in part, at any time before the date of completion. If the Administrator fails to comply with any of the terms and conditions of this contract, the County may give notice, in writing, to the Administrator of any or all deficiencies claimed. The notice will be sufficient for all purposes if it describes the default in general terms. If all defaults are not cured and corrected within a reasonable period as specified in the notice, the County may, with no further notice, declare this Contract to be terminated. The Administrator will thereafter be entitled to receive payment for those services reasonably performed to the date of termination, less the amount of reasonable damages suffered by the County by reason of the Administrator's failure to comply with this contract.

11. DOCUMENTS INCORPORATED BY REFERENCE
The County's application to the Department for Idaho CARES Act Broadband Grant Program funding, dated July 15, 2020, and all applicable federal and state statutes and regulations are incorporated into this contract.

12. CIVIL RIGHTS ACT OF 1964
The Administrator will abide by the provisions of the Civil Rights Act of 1964 that states under Title VI, no person may, on the grounds of race, color or national origin, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity receiving federal financial assistance.

13. SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974
The Administrator will comply with the following provision: No person in the United States may, on the grounds of race, color, national origin or sex, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity funded in whole or in part, with the funds made available under this title. Any prohibition against discrimination on the basis of age under the Age Discrimination Act of 1975 or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973 will also apply to any such program or activity.

16. NONDISCRIMINATION
The Administrator will not discriminate against any employee or applicant for employment on the basis of race, color, religion, creed, political ideas, sex, age, marital status, physical or mental handicap or national origin.

17. OWNERSHIP AND PUBLICATION OF MATERIALS

All reports, information, data, and other materials prepared by the Administrator pursuant to this contract are to be the property of the County and the appropriate funding agency partners which have the exclusive and unrestricted authority to release, publish or otherwise use, in whole or part. All such materials developed under this contract shall not be subject to copyright or patent in the United States or in any other country without the prior written approval of the County and funding agency partners.

18. REPORTS AND INFORMATION

The Administrator will maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this contract and such other records as may be deemed necessary by the County to ensure proper accounting for all project funds, both federal and non-federal shares. These records will be made available for audit purposes to the County or its authorized representative and will be retained for three (3) years after the expiration of this contract.

19. ACCESS TO RECORDS

It is expressly understood that the Administrator's records relating to this contract will be available during normal business hours for inspection by the County, agents of the appropriate funding partners (e.g. the Department), and, when required by law, representatives of the State of Idaho.

20. CONSTRUCTION AND VENUE

This Contract will be construed under and governed by the laws of the State of Idaho. In the event of litigation concerning it, venue is the *Fourth Judicial District in and for the County of Elmore, State of Idaho.*

21. INDEMNIFICATION

The Administrator waives any and all claims and recourse against the County, including the right of contribution for loss and damage to persons or property arising from, growing out of or in any way connected with or incident to, the Administrator's performance of this contract except for liability arising out of concurrent or sole negligence of the County or its officers, agents or employees. Further, the Administrator will indemnify, hold harmless, and defend the County against any and all claims, demands, damages, costs, expenses or liability arising out of the Administrator's performance of this contract except for liability arising out of the concurrent or sole negligence of the County or its officers, agents or employees.

22. LEGAL FEES

In the event either party incurs legal expenses to enforce the terms and conditions of this contract, the prevailing party is entitled to recover reasonable attorney fees and other costs and expenses, whether the same are incurred with or without suit.

23. SPECIAL WARRANTY

The Administrator warrants that nothing of monetary value has been given, promised or implied as remuneration or inducement to enter into this contract. The Administrator further declares that no improper personal, political or social activities have been used or

attempted in an effort to influence the outcome of the competition, discussion or negotiation leading to the award of this contract. Any such activity by the Administrator shall make this contract null and void.

IN WITNESS WHEREOF, the parties hereto have executed this contract on the ___ day of July, 2021.

REGION IV DEVELOPMENT ASSOCIATION, INC.

By: _____
Jeffrey C. McCurdy, President

_____
Date

ELMORE COUNTY BOARD OF COMMISSIONERS

Date: 7/16/21

_____
Franklin L. Corbus, Chairman

_____
Albert Hofer, Commissioner

_____
Crystal Rodgers, Commissioner

BOARD OF COUNTY COMMISSIONERS · ELMORE COUNTY IDAHO · SEAL

ATTEST:

_____
Shelley Essl,
Elmore County Clerk

ATTACHMENT "A"

SCOPE OF WORK

The Administrator shall perform the activities as identified in this scope of work.

1. Project Planning and pre-development
    a. Meet with the County, Internet Service Providers, the Department and other stakeholders to discuss grant conditions, rules, and requirements.
    b. Explain to stakeholders about various funding program requirements. Detailing eligibility, application process, funding requirements, timelines, etc.
    c. Working with stakeholders to define "the project", for which funding will be applied for.
    d. Review data relative to project beneficiaries and information provided by Internet Service Providers in preparation of the application.
    e. Assisting the applicant in establishing their application account and walking them through the application and submittal process.
    f. Assist with the preparation and writing the grant proposal for submittal to the Idaho Department of Commerce.

    FOR SERVICES PERFORMED, A SUM NOT TO EXCEED $ 1500 .

2. Project Implementation Activities: Assist the County in fulfilling the conditions of the grant program. Coordinate efforts of the County, Internet Service Providers, Idaho Department of Commerce, and other stakeholders. Assist in preparing and submitting required reports to Idaho Department of Commerce and other stakeholders.

    These services will be completed for a lump sum amount not to exceed $ 1500.

3. Financial Management: Assist the County with establishing project financial management processes and procedures. Prepare payment requests for funding agency approval and facilitate the correction of errors or problems that are identified. Maintain a record of project expenditures and document that the County is properly disbursing funds in accordance with program requirements. Provide progress updates to stakeholders as requested. Note: These services do not replace the County and ISP providers' responsibility to work with their financial teams to ensure accuracy in disbursements, etc.

    These services will be completed for a lump sum amount not to exceed $1500.

4. Project Close-out: Documentation that the County has met the objective of the grant program and contractual performance requirements. Completing closeout documents for review and signature. Ensure all project and close out documents are submitted to the Idaho Department of Commerce. Ensure requested documents, concerns, and findings are addressed and resolved. Securing the Department's approval to close out.

    These services will be completed for a lump sum amount of $ 500.

Elmore County
Board of Commissioners

Phone (208) 587-2129 Ext. 270

ELMORE COUNTY COURTHOUSE
150 South 4th East Suite #3
Mountain Home, Idaho 83647

Fax (208) 587-2159

Albert Hofer
(208) 599-1620

Crystal Rodgers
(208) 999-2206

Franklin L. Corbus
(208) 599-1294

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO, CITY OF IDAHO

The undersigned, Bud Corbus, representing the Unincorporated City of King Hill and Elmore County, 150 South 4th East, Mountain Home, ID 83647, hereby swear (affirm) that:

1. I am Commissioner Chairman of Elmore County and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria including

i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.

ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

The costs covered are necessary expenditures to be incurred 1) due to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19); 2) were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for Idaho County; and 3) will be incurred during the period that begins on August 02, 2021, and ends on December 30, 2021

Bud Corbus, Elmore County Commissioner Chairman

July 16, 2021
Date

SUBSCRIBED AND SWORN before me on this 16TH day of July 2021

VICKY K. TREVATHAN
Comm. No. 20200035
NOTARY PUBLIC
Expires: 01/06/2026
STATE OF IDAHO

Vicky K. Trevathan
Notary Public for Idaho
Residing at Elmore County
Commission expires 01/26/2026

To whom it may concern,

My home business is located at 4128 Douglas, King Hill Idaho, 83633. We moved to this location in 2016. I knew it would impact Cindy Sherman Photography, but I did not realize just how impacting it would be.

Typically I dropbox images to my clients and they then download them. So, I need to upload folders of images. The last 3 folders were 261, 167, and 210 MB. Because of connectivity issues the only time I can get this done is in the middle of the night. If I try to upload during daytime hours the connectivity will time out. Doing this in the night, between midnight and 6 am, still causes connectivity issues and I have to restart the transfer multiple times in order to get the it completed. (no sleep for me!)

Communication is also a huge issue. My cell phone defaults to Internet calling as cell service here is pretty non-existent. We have a cell phone signal booster, it cannot catch a strong enough signal to boost. Taking a call over the web is better, but not always understandable. I frequently drive up on the hill to be in a good signal range to make calls.

Business calls with multiple parties, zoom calls, continuing education classes, all are difficult/impossible to achieve here at our location.

On the home front, we cannot watch 'on demand' movies from dish or use our Netflix account. Movies just don't spool.

We really need help here.

Thank you,

Cindy

--

Cindy Sherman Photography
4128 Douglas Ave
King Hill, ID 83633

Letter of Support
Lazy A Cattle and Crafts
4288 North McNutt Lane
King Hill, Idaho 83633

July 12, 2021

This letter is in support of the broadband grant for King Hill, Idaho. I am the owner of Lazy A Cattle and Crafts. We sell Lim-Flex cattle and hand made furniture. Our family has lived in King Hill for 20 years, and we live in the community.

We have two sons serving in the military now. Both of their families are overseas and out of the state. We rely on FaceTime and other apps to see our grandchildren and communicate with our sons. The last Face Time conversation our conversation was interrupted at least 4 times for buffering.

Our family also communicated with buyers over ZOOM and this application will lose service at least 2 times over the course of a one hour ZOOM call.

Our business uses the Internet daily. We have to check cattle prices, and do research for our livestock, and our business has a website and social media pages. From watching a how to video to trying to communicate with customers, the Internet has been a challenge here in King Hill. We have been through 5 different Internet companies and now run 2 hot spots to get work completed.

We have been offered the opportunity to expand our business and purchased a CNC machine to begin that expansion. After the purchase of the CNC, we brought it home and hooked it up in our shop only to find that the program required will not download due to the slow Internet speeds. This machine will have to be sold, or we will have to configure something to run the CNC. We are holding onto the hope that White Cloud will be installing this tower so we can expand and get the CNC machine running.

Our QuickBooks program is no longer used for our business. The program uploads and downloads took too long for our bookkeeper to input our information. What should have only taken an hour to complete, took over 3 hours due to slow Internet.

Not having fast and reliable Internet service in our area is holding my business back from reaching it's true potential and causes stress with communication efforts. Please help our business and community by allowing White Cloud the funding to build a tower in King Hill.

Thank you,
Phillip Acord, owner
Lazy A Cattle and Crafts

AgEquity, LLC

89 North Alton Avenue
P.O. Box 265
Glenns Ferry, Idaho 83623
208-366-3008
agequityllc@gmail.com

July 16, 2021

To Whom It May Concern

Re: King Hill Idaho Broadband Project Grant

Greetings:

I write in support of the grant application for the King Hill Idaho Broadband Project. My partner, Jim Herbert, and I do bank and business consulting and real estate development throughout Idaho. We are both based in southern Idaho, and I reside on a ranch north of King Hill, Idaho.

Our business frequently involves working with state and local economic development organizations and businesses seeking to relocate in Southern Idaho. The state has many untapped opportunity areas for new businesses. The Eastern Elmore County area has been hampered in attracting new industry in part due to its lack of reliable broadband internet. Businesses must have access to reliable broadband to communicate and operate in this tech-driven world.

Reliable broadband in our rural Eastern Elmore County area will assist in attracting new business and aid in raising the local economic base. We urge you to award the grant.

Very truly yours

AgEquity, LLC

Jon Brennan

Snake River Rubbish

89 North Alton
P.O. Box 246
Glenns Ferry, Idaho 83623
208-366-7400
email: snakeriverrubbish@gmail.com

July 16, 2021

To Whom It May Concern

Re: Broadband Grant - King Hill, Idaho

Greetings:

Snake River Rubbish is locally owned and operated, and provides garbage service throughout Elmore County, including the rural King Hill area. Our operations are based in Glenns Ferry, and the King Hill area. Our truck shop is located several miles away from our office in town. Reliable internet service is crucial to the operation of our business, and the flow of information between the office, shop, and trucks.

We have routinely encountered issues when shopping for internet-driven software and resources due to our lack of reliable broadband internet. Our inability to implement cutting edge technology inhibits our ability to compete with the national companies whose operations are headquartered elsewhere.

Additionally, in this new era of more and more employees performing their duties from home or a remote location, the availability of reliable broadband in the rural areas will allow our employees to perform their duties no matter what circumstances arise.

We highly support the award of a grant for the King Hill, Idaho Broadband project.

Very truly yours,

Geri Brennan
General Manager

Dewey C. Crane
Crane Farms, LLC
2543 North Crane Road
King Hill, Idaho 83633
208-366-7400

July 16, 2021

To Whom It May Concern

Re: King Hill, Idaho Broadband Grant

Greetings:

I have a large farm operation located near King Hill, Idaho. Over the years technology has advanced dramatically, allowing our farming operations to become more efficient using GPS guidance equipment in our tractors, monitoring of pivot and irrigation systems through our computers and cell phones, managing employee timecards via the internet, and performing our banking and accounting functions online.

As you know, all of these functions, as well as many others, are made possible using reliable internet. Our area does not have reliable internet capable of the bandwidth necessary to consistently perform these operations.

I write in support of the King Hill, Idaho Broadband Grant. An award of such a grant, and the installation of the equipment necessary to bring this type of broadband allows farmers such as myself the ability to increase production and decrease expenses.

Very truly yours,

CRANE FARMS, LLC

Dewey C. Crane
Managing Member

Elmore County Rural Development

July 15, 2021

Christine Acord, Manager
Elmore County Rural Development
P.O. Box 910
Glenns Ferry, Idaho 83633

This letter is in support of the broadband grant being submitted for King Hill, Idaho. This grant is extremely important to the King Hill area of Elmore County. King Hill currently encompasses close to 60 of the businesses in rural Elmore County. These businesses range from our local newspaper for Glenns Ferry, King Hill, and Hammett, to 1000 + acres farms and ranches. The Internet has been a challenge for each of these businesses, including mine as an independent contractor for Elmore County Rural Development.
In order to meet the requirements of this job, one of my duties is to download and build packages for grants and projects. A county or municipal file cannot be downloaded from my home base in King Hill. I have to drive to Glenns Ferry and go to Glenns Ferry City Hall and sit there, or at the Elmore County Fairgrounds to accomplish any work that requires downloading or uploading large files.
During COVID lock down my job was extremely stressful due to the fact that I could not complete any work due to slow Internet speeds, and had to wait for hours for any files to download. This fact, coupled with not being able to visit Glenns Ferry City Hall, made my job nearly impossible.

Another requirement was being able to meet virtually. The slow Internet speeds at my home base in King Hill do not allow me to share screens or to have my video open during any meetings. Participation in a city council meeting for Glenns Ferry or Elmore County is aggravating due to buffering and lack of being able to participate fully in meetings.

The slow and unreliable Internet service (a hot spot) that I currently have is affecting my job as manager of Elmore County Rural Development. I accomplish many of my daily tasks on my Android phone instead of a computer due to slow speeds.

Please consider the broadband grant for King Hill. Our Internet is not just a want, but a necessity to the area for our livelihoods and our businesses.

Sincerely,
Christy Acord

RESOLUTION NO. 816-21

A RESOLUTION OF THE ELMORE COUNTY IDAHO BOARD OF COMMISSIONERS DECLARING THAT THERE IS ONLY ONE SERVICE PROVIDER WITHIN THE MEANING OF IDAHO CODE SECTION 67-2808(2), FOR ACQUISITION AND INSTALLATION OF INTERNET BROADBAND AND FIBER SERVICES THAT WILL BE PURCHASED IN ACCORDANCE WITH GRANT FUNDING, AND DIRECTING STAFF TO PROCEED WITH A SOLE SOURCE ACQUISITION PURSUANT TO IDAHO LAW.

At a meeting of the Elmore County (the "County") Board of Commissioners, State of Idaho, on the 16TH day of July 2021, the following Resolution was adopted, to wit:

WHEREAS, Idaho Code § 31-801 grants general powers and duties, subject to the restrictions of law, to the boards of county commissioners in their respective counties; and

WHEREAS, Idaho Code § 31-828 grants the Board authority "to do and perform all other acts ... which may be necessary to the full discharge of the duties of the chief executive authority of the county government"; and

WHEREAS, the County has the opportunity to apply for a grant award that will cover the cost to install and provide broadband internet services to a greater area of the County, including unserved and underserved areas; and

WHEREAS, the deadline for filing of the grant application is July 16, 2021; and

WHEREAS, the deadline for completion of the grant project is December 31, 2021; and

WHEREAS, White Cloud is the only entity who can supply and install the internet hardware and services during the grant's term; and

WHEREAS, Idaho Code Section 67-2808(2) allows for sole source expenditures when:

(viii) Where competitive solicitation is impractical, disadvantageous, or unreasonable under the circumstances.

BE IT THEREFORE RESOLVED BY THE ELMORE COUNTY BOARD OF COMMISSIONERS:

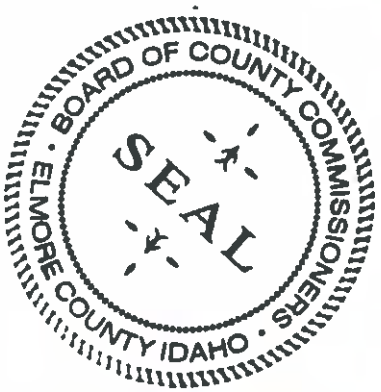
Section 1. Based on Idaho Code Section 67-2808(2) and the foregoing Recitals, which are adopted here as findings, the Board of Commissioners declares that there is only one (1) service provider that is able to accomplish the proposed projects in accordance with the grant terms.

Section 2. Notice of sole source procurement is attached as **Exhibit A,** and shall be published in the official newspaper of the County, and the County shall not enter into any contract until after fourteen (14) calendar days have run from the date notice was published.

Section 3. Staff shall proceed to negotiate a contract with the service provider, and shall notify the Board of Commissioners of any objection to this sole source procurement.

APPROVED AND ADOPTED effective this 16th day of July, 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS



Franklin L. Corbus, Chairman

Albert Hofer, Commissioner

Crystal Rodgers, Commissioner

ATTEST:

Shelley Essl,
Elmore County Clerk

Notice of Sole Source Expenditure

PROJECT TITLE: Elmore County Broadband to Households Critical Infrastructure

PROJECT SITE: Elmore County, Idaho

Elmore County hereby provides notice of a sole source procurement, pursuant to Idaho Code § 67-2808 for materials and labor to complete the broadband grant project with an expenditure of approximately $400,000. Sole Source Procurement is necessary because White Cloud, LLC, is the only local vendor that holds the desired property permissions necessary to install the equipment in a manner that complies with the associated grant. Further, there is a very small window of time to file the grant application, which requires identification of the vendor. There is also a very short time in which the product can be installed, and White Cloud, LLC, is able to meet that timeline. Questions or comments regarding this procurement should be directed to Christy Acord at 208-598-0886 or at elmorecountyedpro@gmail.com.

Advertise: July 28, 2021

Idaho CARES Act Broadband Grant Administration Services Resolution

RESOLUTION 817-21

A RESOLUTION OF COUNTY COMMISSIONERS OF ELMORE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH REGION IV DEVELOPMENT ASSOCIATION, INC TO PROVIDE GRANT WRITING AND PROJECT ADMINISTRATION SERVICES IN CONNECTION WITH THE COUNTY'S APPLICATION TO THE IDAHO BROADBAND FUNDS FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE BROADBAND INFRASTRUCTURE SYSTEM IMPROVEMENTS TO ENHANCE BROADBAND ACCESS IN OUR COMMUNITY.

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens; and

WHEREAS, the County is applying to the Idaho Broadband Fund for an Idaho Cares Act Broadband Grant program to enhance broadband access in our community; and

WHEREAS, the grant requires the services of a project administrator to oversee project implementation activities to ensure it aligns with program requirements; and

WHEREAS, the County has engaged the services of Region IV Development Association, Inc. to provide grant writing and project administration services.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COMMISSIONERS FOR THE COUNTY OF ELMORE, IDAHO, that the Chairman is authorized to sign a service agreement with Region IV Development Association, Inc. to provide grant writing and grant administrative services in connection with our project as outlined in the Idaho Cares Act Broadband Grant application.

Adopted this 16th day of June 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS

Franklin L. Corbus, Chairman

Albert Hofer, Commissioner

Crystal Rodgers, Commissioner

BOARD OF COUNTY COMMISSIONERS · ELMORE COUNTY IDAHO · SEAL

ATTEST:

Shelley Essl, Elmore County Clerk

RESOLUTION TO APPLY FOR BROADBAND GRANT UNDER THE IDAHO CARES ACT

RESOLUTION 818-21

A RESOLUTION OF COUNTY COMMISSION OF ELMORE COUNTY, IDAHO AUTHORIZING THE CHAIRMAN TO SIGN AND SUBMIT AN APPLICATION TO THE IDAHO BROADBAND FUND FOR AN IDAHO CARES ACT BROADBAND GRANT TO FINANCE IMPROVEMENTS TO ENHANCE BROADBAND SYSTEMS IN OUR COMMUNITY.

WHEREAS, stable, reliable broadband infrastructure is necessary to support and attract business, improve educational training, enhance public safety and services, and enrich the quality of life for all citizens;

WHEREAS, the Governor for the State of Idaho declared a state of emergency on March 13, 2020 with Executive Order 2020-7 to respond to the coronavirus pandemic;

WHEREAS, the CARES Act funding received by the State of Idaho will fund projects across the state that create and retain local jobs and result in purposeful outcomes, including distance learning, telehealth, public safety, commerce, and the overall well-being of the citizens in Idaho.

WHEREAS, the County is an eligible applicant of the Idaho CARES Act Broadband Grant program and intends to apply for funding through this grant program;

WHEREAS, the County will comply with Idaho statute 67-2808 procurement since the competitive procurement solicitation and selection process is impractical, disadvantageous, or unreasonable under the circumstances of responding to this epidemic recovery effort; and will make a sole-source publication not less than 14 days before awarding the contract.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION FOR THE COUNTY OF Elmore, IDAHO, that the Chairman is authorized to sign and submit appropriate application materials to the Idaho Broadband Fund to seek funding through the Idaho CARES Act Broadband Grant program to enhance broadband access in our community.

Adopted this 16TH day of JULY ,2021.

Signature page attached.

Approved by Elmore County:

DATED this 16th day of June 2021.

ELMORE COUNTY BOARD OF COMMISSIONERS

Franklin L. Corbus, Chairman

Crystal Rodgers, Commissioner

Albert Hofer, Commissioner

ATTEST:

Shelley Essl, Elmore County Clerk

PROJECT ADMINISTRATION CONTRACT

This contract is entered into this 16th day of July, 2021 , by and between the COUNTY OF ELMORE, whose address is 150 South 4th East, Suite 5 Mountain Home, Idaho 83647, herein referred to as the "County", and REGION IV DEVELOPMENT ASSOCIATION, INC., whose address is 202 Falls Ave., P.O. Box 5079, Twin Falls, Idaho 83303-5079, herein referred to as the "Administrator", Witnessed:

WHEREAS, the County is making application to the Idaho Broadband Fund, herein referred to as "the Department", for the receipt of grant funds under the Idaho CARES Act Broadband Grant program for the purpose of improving broadband access in the area; and

WHEREAS, the County desire to engage the Administrator to render certain services related to the administration of the above described project; and

WHEREAS, to ensure effective management of the above project, it is deemed to be in the best interest of the County to enter into an agreement with the Administrator as hereinafter provided.

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. EMPLOYMENT OF CONTRACTOR
   The County agrees to engage the Administrator, and the Administrator agrees to provide the services described in Section 6 in order to provide for the Administration and Management of the above referenced project for the County as approved by the Department.

2. EMPLOYEE-EMPLOYER RELATIONSHIP
   The contracting parties warrant by their signature that no employer-employee relationship is established between the Administrator and the County by the terms of this contract. It is understood by the parties hereto that the Administrator is an independent contractor and as such neither it nor its employees, if any, are employees of the County for purposes of tax, retirement system or social security (FICA) withholding.

3. CONTRACTOR'S INSURANCE
   The Administrator warrants that it has obtained, and will maintain at its expense for the duration of this Contract, statutory worker's compensation coverage, employer's liability, and comprehensive general liability insurance coverage for its principals and employees for the services to be performed hereunder. The comprehensive general liability insurance shall have, at a minimum, a coverage limit of at least one hundred thousand dollars ($100,000) per claim, and five hundred thousand dollars ($500,000) aggregate.

4. LIAISON
   The County's designated liaison(s) with the Administrator is Shelley Essl, County Clerk. The Administrator's designated liaison with the RIVDA is Georgia Dimick or Jake Goddard.

5. EFFECTIVE DATE AND TIME OF PERFORMANCE

This Contract takes effect July 16, 2021. The services to be performed by the Administrator will be completed no later than December 20, 2021 , as identified by the conditions of the grant program.

If the services covered by this agreement have not been completed by December 2021, through no fault of the Administrator, compensation for the extension of the Administrator's services beyond this time shall be renegotiated. Services covered by this agreement shall be paid from grant funds.

6. SCOPE OF SERVICES
The Administrator will perform the services as identified and explained on "Attachment A – Scope of Work".

It is understood and agreed by the parties that the services of the Administrator do not include any of the following: the disbursement or accounting of funds distributed by the County's financial officers, legal advice, engineering, construction management, inspection services, fiscal audits or assistance with activities not related to the project.

7. COMPENSATION
For the satisfactory completion of the services to be provided under this contract, the County will pay the Administrator a sum, not to exceed **$ 5,000.00 or 1% of the grant award, whichever is less**. The amount paid for each scope of work activity is identified on "Attachment A – Scope of Work".

8. CONFLICT OF INTEREST
The Administrator warrants that it presently has no interest and will not acquire any interest, direct or indirect, in the project that would conflict in any manner or degree with the performance of its services hereunder. The Administrator further covenants that, in performing this contract, it will employ no person who has any such interest. Should any conflict of interest, as defined by the CDBG Administrative Rules, arise during the performance of this contract, it will be disclosed and managed in accordance with applicable rules and regulations.

9. MODIFICATION AND ASSIGNABILITY OF CONTRACT
This contract contains the entire agreement between the parties, and no statements, promises or inducements made by either party or agents of either party, that are not contained in the written contract, are valid or binding. This contract may not be enlarged, modified or altered except upon written agreement signed by both parties hereto. The Administrator may not sub-contract or assign its rights (including the right to compensation) or duties arising hereunder without the prior written consent of the County and appropriate funding sources. Any sub-Administrator or assignee will be bound by all the terms and conditions of this contract.

10. TERMINATION OF CONTRACT
This contract may be terminated as follows:

a. Termination for Convenience
The County and/or Administrator may terminate this contract in whole, or in part, for the convenience of the County or Administrator when both parties agree that the continuation of the project is not in the best interest of the parties and that further expenditure of funds will not produce any results. The parties shall agree in writing, upon the conditions, effective date, and fair and reasonable payment for work completed.

c. Termination for Cause
If the County determine that the Administrator has failed to comply with the terms and conditions of this contract, it may terminate this contract in whole, or in part, at any time before the date of completion. If the Administrator fails to comply with any of the terms and conditions of this contract, the County may give notice, in writing, to the Administrator of any or all deficiencies claimed. The notice will be sufficient for all purposes if it describes the default in general terms. If all defaults are not cured and corrected within a reasonable period as specified in the notice, the County may, with no further notice, declare this Contract to be terminated. The Administrator will thereafter be entitled to receive payment for those services reasonably performed to the date of termination, less the amount of reasonable damages suffered by the County by reason of the Administrator's failure to comply with this contract.

11. DOCUMENTS INCORPORATED BY REFERENCE
The County's application to the Department for Idaho CARES Act Broadband Grant Program funding, dated July 15, 2020, and all applicable federal and state statutes and regulations are incorporated into this contract.

12. CIVIL RIGHTS ACT OF 1964
The Administrator will abide by the provisions of the Civil Rights Act of 1964 that states under Title VI, no person may, on the grounds of race, color or national origin, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity receiving federal financial assistance.

13. SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974
The Administrator will comply with the following provision: No person in the United States may, on the grounds of race, color, national origin or sex, be excluded from participation in, be denied the benefits of or be subjected to, discrimination under any program or activity funded in whole or in part, with the funds made available under this title. Any prohibition against discrimination on the basis of age under the Age Discrimination Act of 1975 or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973 will also apply to any such program or activity.

16. NONDISCRIMINATION
The Administrator will not discriminate against any employee or applicant for employment on the basis of race, color, religion, creed, political ideas, sex, age, marital status, physical or mental handicap or national origin.

17. OWNERSHIP AND PUBLICATION OF MATERIALS

All reports, information, data, and other materials prepared by the Administrator pursuant to this contract are to be the property of the County and the appropriate funding agency partners which have the exclusive and unrestricted authority to release, publish or otherwise use, in whole or part. All such materials developed under this contract shall not be subject to copyright or patent in the United States or in any other country without the prior written approval of the County and funding agency partners.

18. REPORTS AND INFORMATION

The Administrator will maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this contract and such other records as may be deemed necessary by the County to ensure proper accounting for all project funds, both federal and non-federal shares. These records will be made available for audit purposes to the County or its authorized representative and will be retained for three (3) years after the expiration of this contract.

19. ACCESS TO RECORDS

It is expressly understood that the Administrator's records relating to this contract will be available during normal business hours for inspection by the County, agents of the appropriate funding partners (e.g. the Department), and, when required by law, representatives of the State of Idaho.

20. CONSTRUCTION AND VENUE

This Contract will be construed under and governed by the laws of the State of Idaho. In the event of litigation concerning it, venue is the *Fourth Judicial District in and for the County of Elmore, State of Idaho.*

21. INDEMNIFICATION

The Administrator waives any and all claims and recourse against the County, including the right of contribution for loss and damage to persons or property arising from, growing out of or in any way connected with or incident to, the Administrator's performance of this contract except for liability arising out of concurrent or sole negligence of the County or its officers, agents or employees. Further, the Administrator will indemnify, hold harmless, and defend the County against any and all claims, demands, damages, costs, expenses or liability arising out of the Administrator's performance of this contract except for liability arising out of the concurrent or sole negligence of the County or its officers, agents or employees.

22. LEGAL FEES

In the event either party incurs legal expenses to enforce the terms and conditions of this contract, the prevailing party is entitled to recover reasonable attorney fees and other costs and expenses, whether the same are incurred with or without suit.

23. SPECIAL WARRANTY

The Administrator warrants that nothing of monetary value has been given, promised or implied as remuneration or inducement to enter into this contract. The Administrator further declares that no improper personal, political or social activities have been used or

attempted in an effort to influence the outcome of the competition, discussion or negotiation leading to the award of this contract. Any such activity by the Administrator shall make this contract null and void.

IN WITNESS WHEREOF, the parties hereto have executed this contract on the ___ day of July, 2021.

REGION IV DEVELOPMENT ASSOCIATION, INC.

By: _____
Jeffrey C. McCurdy, President

_____
Date

ELMORE COUNTY BOARD OF COMMISSIONERS

Date: 7/16/21

_____
Franklin L. Corbus, Chairman

_____
Albert Hofer, Commissioner

_____
Crystal Rodgers, Commissioner

BOARD OF COUNTY COMMISSIONERS · ELMORE COUNTY IDAHO · SEAL

ATTEST:

_____
Shelley Essl,
Elmore County Clerk

ATTACHMENT "A"

SCOPE OF WORK

The Administrator shall perform the activities as identified in this scope of work.

1. Project Planning and pre-development
    a. Meet with the County, Internet Service Providers, the Department and other stakeholders to discuss grant conditions, rules, and requirements.
    b. Explain to stakeholders about various funding program requirements. Detailing eligibility, application process, funding requirements, timelines, etc.
    c. Working with stakeholders to define "the project", for which funding will be applied for.
    d. Review data relative to project beneficiaries and information provided by Internet Service Providers in preparation of the application.
    e. Assisting the applicant in establishing their application account and walking them through the application and submittal process.
    f. Assist with the preparation and writing the grant proposal for submittal to the Idaho Department of Commerce.

    FOR SERVICES PERFORMED, A SUM NOT TO EXCEED $ 1500 .

2. Project Implementation Activities: Assist the County in fulfilling the conditions of the grant program. Coordinate efforts of the County, Internet Service Providers, Idaho Department of Commerce, and other stakeholders. Assist in preparing and submitting required reports to Idaho Department of Commerce and other stakeholders.

    These services will be completed for a lump sum amount not to exceed $ 1500.

3. Financial Management: Assist the County with establishing project financial management processes and procedures. Prepare payment requests for funding agency approval and facilitate the correction of errors or problems that are identified. Maintain a record of project expenditures and document that the County is properly disbursing funds in accordance with program requirements. Provide progress updates to stakeholders as requested. Note: These services do not replace the County and ISP providers' responsibility to work with their financial teams to ensure accuracy in disbursements, etc.

    These services will be completed for a lump sum amount not to exceed $1500.

4. Project Close-out: Documentation that the County has met the objective of the grant program and contractual performance requirements. Completing closeout documents for review and signature. Ensure all project and close out documents are submitted to the Idaho Department of Commerce. Ensure requested documents, concerns, and findings are addressed and resolved. Securing the Department's approval to close out.

    These services will be completed for a lump sum amount of $ 500.

Elmore County
Board of Commissioners

Phone (208) 587-2129 Ext. 270

ELMORE COUNTY COURTHOUSE
150 South 4th East Suite #3
Mountain Home, Idaho 83647

Fax (208) 587-2159

Albert Hofer
(208) 599-1620

Crystal Rodgers
(208) 999-2206

Franklin L. Corbus
(208) 599-1294

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO, CITY OF IDAHO

The undersigned, Bud Corbus, representing the Unincorporated City of King Hill and Elmore County, 150 South 4th East, Mountain Home, ID 83647, hereby swear (affirm) that:

1. I am Commissioner Chairman of Elmore County and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria including

i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.

ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

The costs covered are necessary expenditures to be incurred 1) due to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19); 2) were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for Idaho County; and 3) will be incurred during the period that begins on August 02, 2021, and ends on December 30, 2021

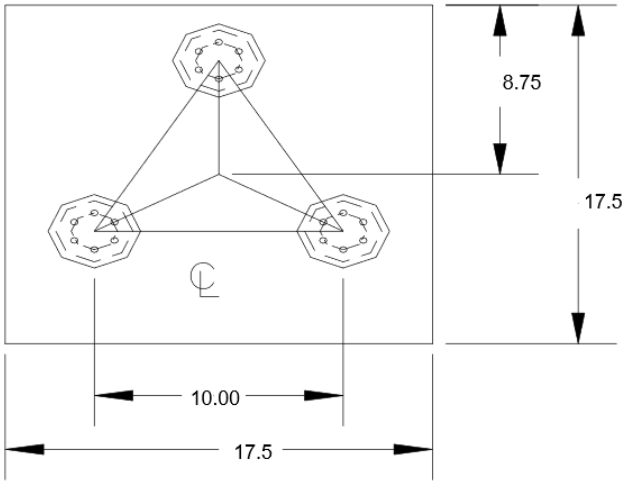
Bud Corbus, Elmore County Commissioner Chairman

July 16, 2021
Date

SUBSCRIBED AND SWORN before me on this 16TH day of July 2021

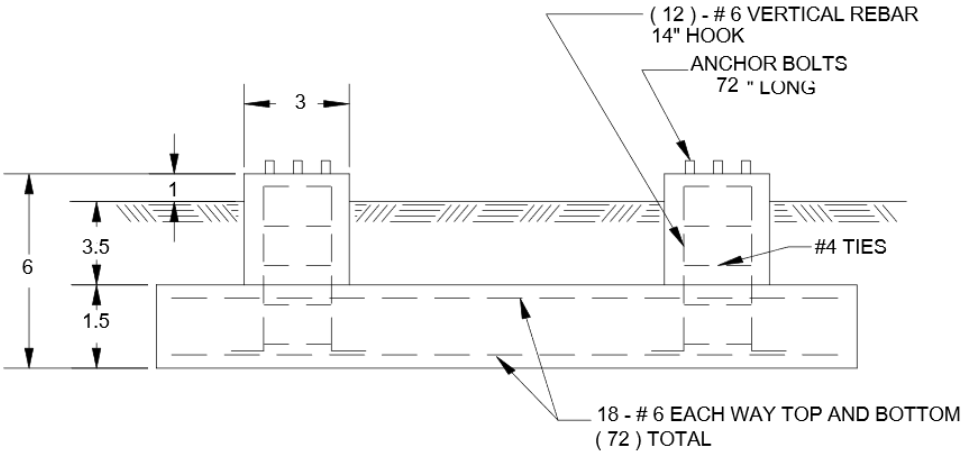
VICKY K. TREVATHAN
Comm. No. 20200035
NOTARY PUBLIC
Expires: 01/06/2026
STATE OF IDAHO

Vicky K. Trevathan
Notary Public for Idaho
Residing at Elmore County
Commission expires 01/26/2026



20.55 CU. YDS.
CONCRETE REQUIRED

PRELIMINARY - NOT FOR CONSTRUCTION

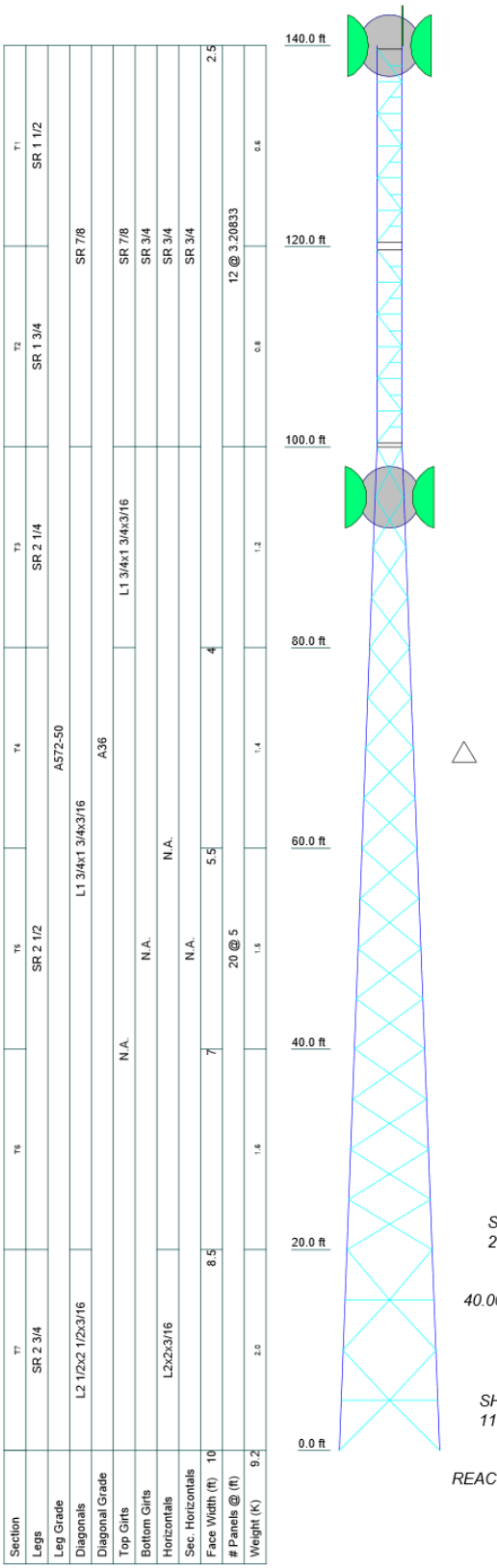


GENERAL NOTES

1. CONCRETE TO HAVE 4500 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. REINFORCEMENT STEEL IS DEFORMED AND MEETS THE REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. DESIGN BASED ON PRESUMPTIVE SOIL PARAMETERS PER TIA-222-H STANDARD SOIL PARAMETERS TO BE VERIFIED PRIOR TO CONSTRUCTION

KING HILL, ID
TITLE: C2106-032

WORLD TOWER COMPANY, INC.



Section	T7	T6	T5	T4	T3	T2	T1
Legs	SR 2 3/4		SR 2 1/2	A572-50	SR 2 1/4	SR 1 3/4	SR 1 1/2
Leg Grade							
Diagonals	L2 1/2x2 1/2x3/16		L1 3/4x1 3/4x3/16			SR 7/8	
Diagonal Grade				A36			
Top Girts			N.A.		L1 3/4x1 3/4x3/16	SR 7/8	
Bottom Girts			N.A.			SR 3/4	
Horizontals	L2x2x3/16		N.A.			SR 3/4	
Sec. Horizontals			N.A.			SR 3/4	
Face Width (ft)	8.5	7	5.5	4			2.5
# Panels @ (ft)			20 @ 5			12 @ 3.20833	
Weight (K)	2.0	1.6	1.5	1.4	1.2	0.8	0.6
9.2							
10							

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 111 K
SHEAR: 7 K

UPLIFT: -95 K
SHEAR: 6 K

AXIAL 19 K
SHEAR 2 K
MOMENT 175 kip-ft

TORQUE 0 kip-ft
40.00 mph WIND - 0.50 in ICE

AXIAL 14 K
SHEAR 11 K
MOMENT 922 kip-ft

TORQUE 2 kip-ft
REACTIONS - 102.00 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 5/8x4'	140	Dish Mount	95
Dish Mount	140	Dish Mount	95
Dish Mount	140	Dish Mount	95
Dish Mount	140	6 FT DISH	95
6 FT DISH	140	6 FT DISH	95
6 FT DISH	140	6 FT DISH	95
6 FT DISH	140		

MATERIAL STRENGTH

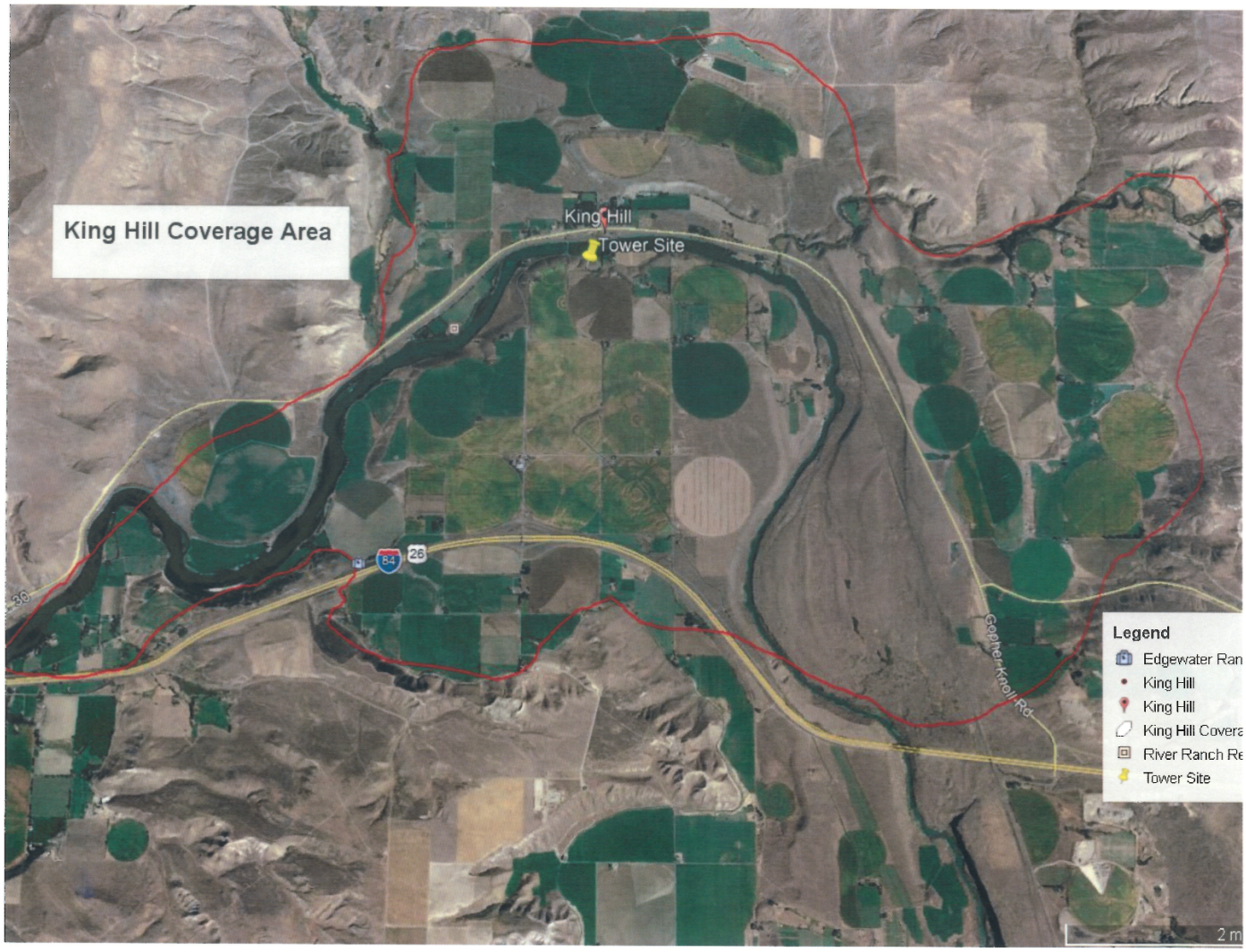
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower is located in Elmore County, Idaho.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 102.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 40.00 mph basic wind with 0.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Climbing Ladder.
9. TOWER RATING: 89.2%

World Tower Company
1212 Compressor Drive
Mayfield, KY 42066
Phone: (270) 247-3642
FAX: (270) 247-0909

Job:	***140' WSST Tower / Run C2106-032***		
Project:	***King Hill, ID***		
Client: White Cloud Communications		Drawn by: WBH	App'd:
Code: TIA-222-H		Date: 06/21/21	Scale: NTS
Path: E:\World Tower\2019\ID\C2106-032 King Hill\Analysis\C2106-032.eri			Dwg No. E-1


King Hill Coverage Area
King Hill
Tower Site
84
26
Gopher Knoll Rd
Legend
Edgewater Ran
King Hill
King Hill
King Hill Covera
River Ranch Re
Tower Site
2 m

Idaho Broadband Fund: CARES Act Broadband Grant

Applicant	Chris Engels
Applicant ID	APP-004852
Company Name	City of Kuna
Recipient Address	City of Kuna Main St Kuna, ID 83634
Phone	(208) 922-5546
Email	cityclerk@kunaid.gov
Amount Requested	$264,411.00
Status	Submitted
Funded	☐

Application Title: Broadband conduit infrastructure - Kuna North Waste Water Treatment Plant (KNWWTP) Priority 2

Applicant Information

NOTICE: Grant applications, challenges, and responses to challenges will be posted to the Idaho Department of Commerce website

1.Program Description
The Idaho Broadband Advisory Board is soliciting projects that meet the CARES Act funding criteria for the $10 million appropriated to the Idaho Department of Commerce from the Federal COVID Relief Fund. These funds may only be expended to provide financial assistance in broadband infrastructure consistent with CARES Act criteria. The Idaho Broadband Advisory Board seeks to fund broadband projects across the state that are necessary for the COVID-19 public health emergency, and may include assisting with or improving distance learning, telehealth, telework, and public safety. This Idaho Broadband Fund: CARES Act Broadband Grant (the “Broadband Grant”) is designed to meet the CARES Act criteria, helping Idaho rebound from the COVID-19 public health emergency.

Question: Applicant’s contact information: a. Name b. Title/Position c. Mailing Address d. Email Address e. Phone Number

Joe Stear
Mayor
751 W 4th St, Kuna ID 83634
MayorStear@kunaid.gov
208.387.7726

Question: List the cities/communities in the census blocks where the project(s) will take place.

Kuna Idaho

Question: Grant Administrator a. Provide the name and title of the designated grant administrator. b. Provide the email address of the designated grant administrator. c. Provide the phone number of the designated grant administrator.

Chris Engels
City Clerk/Grant Administrator
cityclerk@kunaid.gov
208.387.7726

Project Requirements

2.Eligible Projects
A. To be eligible for funding under the Broadband Grant, projects must meet the following eligibility criteria:

- Projects must satisfy the CARES Act criteria, which is designed to address key areas of public health and safety by improving opportunities to telework, improving access to telehealth services, facilitating distance learning, and improving public safety (CARES Act Federal Register Guidance can be found here. Frequently asked questions can be referenced here.)
- Projects must be necessary due to the COVID-19 public health emergency.
- Projects must expand rural broadband capacity to assist with telework, telehealth, distance learning, and public safety. Projects that would not be expected to increase capacity to a significant extent until the need for telework, telehealth, distance learning, and public safety have passed due to this public health emergency would not be necessary due to the public health emergency and therefore would not be eligible uses of Broadband Grant funds. Projects must provide broadband service within the proposed project areas.
- Projects must be completed and operable and verified no later than December 31, 2021. **Projects that are not completed, operable, and verified by December 31, 2021 will not be reimbursed.**
- Include broadband infrastructure and equipment costs meeting CARES Act criteria. Satellite service is not eligible for grant award.

Eligible applicants may apply for multiple grants. County governments may apply for grants on behalf of unincorporated communities.

Question: Does your project meet the CARES Act criteria?

☑ Yes

☐ No

Question: I understand that the State of Idaho will provide no funding and have no obligations for CARES funded projects that fail to be completed by December 31, 2021.

☑ Yes

☐ No

Scored Criteria

Scored Criteria
1. Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide: the broadband service being sought, the required technologies and equipment, and the installation and operation of the new broadband service. (30 Points)
a. Scope of Work: outlines the detailed plans of the infrastructure build. This may include, but is not limited to, the following: project area, type of infrastructure installed, locations of underserved households, known existing infrastructure, known existing anchor institutions (schools, hospitals, public facilities, etc.), potential middle-mile infrastructure that will be utilized, and locations of existing infrastructure.
2. Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community? (25 Points)
3. Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future? (20 Points).
4. Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000) (Y/N) (15 Points).
5. Explain how your project delivers a cost-effective broadband infrastructure solution to the community (10 Points).

Question: Provide an overview of the project, including why the project is important and how it will address the broadband needs of the community. Include a scope of work description, along with a list of ISPs that can provide the proposed service.

Kuna is an incorporated city in Ada County but still have large amounts of rural areas surrounding the community that are joining the city. Kuna is eight miles from the interstate and Meridian and is southwest of Boise. As the last year has evolved and growth continued, accessibility to fiber optic providers with speeds that meet the standards required for educational communication, employment from a home base along with the demands on services and economic investment expansion reiterates the need for fiber optic infrastructure to give all ISP's affordable opportunities to provide the community services. Those would include but not limited to CenturyLink, Sparklight, Safelink as well as access for Kuna School District, and City public services . There is currently a dead end of infrastructure for this project area.
The scope of work includes trenching, boring and placing handholes for 10,600Ft Trench / 2,700FT Bore. The Kuna North Waste Water Treatment Plant (KNWWTP) is located on the northern most "spoke" of the Fiber System. Thus that spoke isn't tied back into the network via any sort of looping method therefore our treatment facility and our public works administration building is isolated and very vulnerable to a single point damage. With an effective loop tied in up Ten Mile, East on Lake Hazel and south on Linder tying into the new Swan Falls High School the Kuna School District just built would complete a redundant loop and add a level of security and protection from outages we have never had at the KNWWTP.
The costs do not include any cobble/rock that we might run into when boring and will be covered

by the city.

Question: Explain how the project will promote equal access in economic development, public safety, telehealth, education, including why current infrastructure is inadequate or negatively impacts the community?

The City of Kuna has identified Broadband as critical and needed infrastructure that serves as an essential component on multiple levels. Educational connectivity, emergency and city services, economic vitality and residential accessibility.
Current Policy
Kuna has implemented city code to require developers to install fiber optic conduit measured at one (1) - four (4) inch conduit with three (3) – 1-1/4 inch innerduct along all mile and mid-mile section roads. Said innerduct shall be placed with the proper amount of handholes, as determined by the City Engineer or their Designee, at road and canal crossings.
Innerduct shall
consist of (1) Orange, one (1) Blue and one (1) Green in accordance with the current City Fiber Optic Detail. Conduit shall be turned over to the City at time of final platting or otherwise approved by the Public Works Director, City Engineer or designee.

Question: Explain how your project meets Cares Act Criteria, is necessary for the public health emergency, and mitigates similar disruptions in the future?

Completion of this project will align with the strategies put in place to ensure consistent and secure infrastructure to provide access and coverage for important users.
Future Strategy
Broadband infrastructure is being developed into a master plan that aligns with the current Comprehensive Plan and companion to the pathway, street circulation and utility master plans.
Beneficiaries of this project:
• Schools
• Emergency Services
• City Services
• Under served Residential
• Economic expansion

Question: Will this project deliver broadband infrastructure to a rural Idaho population (less than 25,000)?

☑ Yes

☐ No

Question: Explain how your project delivers a cost-effective broadband infrastructure solution to the community?

Kuna is not an internet provider but will make the conduit infrastructure available for all levels of private service providers to open the competitive atmosphere by lowering obstacles for entry into the Kuna market by smaller and larger providers of a needed product for users that are underserved. Agreements will be developed to minimize or remove upfront costs for providers with investment protection sought through provider revenue.

Additional Requested Information (if applicable)

Question: Please detail any project match included to complete this project.

The city will match 5% of the project total along with any overruns or unexpected incidentals.

Question: Estimated total project cost?

278328.00

Question: Number of households that will be connected to broadband service under the scope of the grant if applicable? If not applicable please answer N/A.

All homes connected to sewer services from the KNWWTP as well as residential.

Question: What is the average cost per household of new broadband service based on this project cost if applicable? If not applicable please answer N/A.

N/A

Question: What is the maximum broadband speed that will be provided by the project?

Speeds will align with the providers that utilize the conduit infrastructure

Question: Are permits, permissions, and zoning requirements all obtainable in order for the project to be completed and paid for by December 31, 2021 if it is a CARES funded project? Please provide details.

Yes, the contractor will obtain all permits within the time line provided. The contractor will be Track Utilities.

Question: Please describe who will be providing the broadband service and ownership of the broadband infrastructure..

The conduit infrastructure will be owned and maintained by the City of Kuna and all broadband providers will have access to install fiber on behalf of their company and customers.

Question: Describe how the project will be administered and audited for completion, and how the accounting will be performed.

The project will be administered by the City Grant Administrator, City Clerk Chris Engels in alignment with all grant requirements and with in the timeline provided. The City Treasurer Jared Empey will oversee all internal and external audits in compliance with standard practices.

Question: Has your project area received or been awarded any federal funds (CAFII/RDOF/USDA Reconnect) in the past two years, or will it receive federal funding over

the next two years? If so, explain why additional funding was/is necessary in the project area?

No

Question: Has your project area received state funds (Cares Act Broadband Grants, E-Rate, etc.) in the past two years? If so, please explain what state funds were received and why the additional state funding was necessary in the project area.

No

Question: Include any other relevant information as to why your project should be considered for funding.

This project would meet the needs of:
- Schools
- Emergency Services
- City Services
- Under served Residential

Question: Submit 10 or more, recent, fixed location Speed Tests. Applicants can choose which speedtest application to use across the proposed project area (if applicable).

Speedtest Results Export-2021_07_14 (1).pdf (7/15/2021 12:30 PM)

Attachments & Additional Supporting Documents

Upload Required Attachments & Additional Supporting Documents

Project Attachment Templates:
CARES Act Certification
Grant Budget Template
Project Schedule Form
Letters of Support/Community match template

Question: Project Area Identification Documentation: Applicant must upload supporting documents identifying the scope of work for the proposed project(s). Applicant must include 1Pdf &1Shape/Kmz map clearly showing the location and details of the proposed project.

FIBER OPTIC NEEDS MAP 2 (1).pdf (7/15/2021 12:32 PM)

Question: Grant Budget Template: Complete, upload, and attach to the application a completed Grant Budget Template for the project that outlines each of the various costs.

Idaho-Cares-Act-Broadband-Grant-Budget-Project and Priorty 2.pdf (7/15/2021 12:36 PM)

Question: Project Schedule Form: Complete, upload, and attach to the application the Project Schedule Form.

Idaho-Cares-Act-Broadband-Grant-Project-Schedule-Template.pdf (7/15/2021 12:38 PM)

Question: CARES Act Certification: Upload and attach to the application a notarized CARES Act Certification that this project meets the CARES Act criteria.

Broadbband Grant CARES Act Certification - Signed and Notarized.pdf (7/15/2021 12:44 PM)

Question: Letters of Support: Upload and attach to the application any Letters of Support or Community Match documentation. (if applicable)

School Dist Support Letter.pdf (7/15/2021 12:56 PM)
Kuna Police Support Letter.pdf (7/15/2021 12:56 PM)

Question: Letters of Commitments from Anchor Institutions: Upload and attach to application letters of commitments from community anchor institutions or public safety networks which will utilize your service if the project is funded. (if applicable)

ICABG-Contribution Project 2 - Signed.pdf (7/15/2021 2:19 PM)

Question: Community Broadband Plan: Upload and attach a copy of your Community Broadband Plan (if applicable).

No Attachments

Question: Any applicable Site Plans, studies, or photographs.

FIBER OPTIC NEEDS MAP 2 (1).pdf (7/15/2021 2:20 PM)

W Berryman Ln

W Lake Hazel Rd

S Linder Rd

S Frank And Wilma Ln

S Memory Ln

S Ten Mile Rd

KUNA
PUBLIC WORKS
OFFICE

KUNA LIFT
STATION LOCATION

KUNA
HIGH SCHOOL
(MAIN HUB)

MLB

N

Legend

- ALTERNATIVE
- CHARTER
- ELEMENTARY
- HIGH SCHOOL
- MIDDLE
- CONDUIT HANDHOLE LOCATIONS
- CONDUIT ROUTE (29,136 FEET)

FEDERAL LANDS

- IDAHO STATE
- IDAHO STATE FISH & GAME DEPT
- IDAHO STATE DEPT OF LANDS
- USA (BUREAU OF LAND MANAGEMENT)
- USA (FOREST SERVICE)
- USA (BUREAU OF RECLAMATION)

0 0.125 0.25 0.5 0.75 1 Miles

Idaho CARES Act Broadband Grant Budget

Line Item	Grant Dollars				Total
Track Utilities	$ 264,411				$ 264,411
City Cash Match 5% Track Utilities		$ 13,917			$ 13,917
Track Utilities					$ 0
Track Utilities					$ 0
Totals	$ 264,411	$ 13,917	$ 0	$ 0	$ 278,328

Idaho CARES Act Broadband Grant – Project Schedule

Activity	Responsible Party	Start Date	End Date
Project install	Track Utilities	08.07.2021	12.15.2021

P.O. BOX 13
KUNA ID 83634
(208)922-5546
www.KunaCity.id.gov

Mayor
Joe Stear

City Council
Members
Richard Cardoza
Warren Christensen
John Laraway
Greg McPherson

City of Kuna

State of Idaho Broadband Grant
CARES Act Certification

STATE OF IDAHO
COUNTY OF ADA

The undersigned, **Joe Stear**, representing **City of Kuna, 751 W 4th St, Kuna Idaho, 83634**, hereby swear (affirm) that:

1. I am **Mayor** of **City of Kuna** and thereby authorized to make these statements.
2. I have personal knowledge of the facts herein, and can testify completely thereto.
3. The purpose of this statement is to assure the Idaho Department of Commerce that the project will meet the CARES Act Criteria. Further guidance can be found here and here.
    i. Expenses to facilitate distance learning, including technological improvements, in connection with school closings to enable compliance with COVID-19 precautions.
    ii. Expenses to improve telework capabilities for public employees to enable compliance with COVID-19 public health precautions.

Applicant to complete this section with information regarding how they will meet the above CARES Act Criteria.

1. are necessary expenditures incurred due to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19);
2. were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for the State or government; and
3. were incurred during the period that begins on March 1, 2020, and ends on December 31, 2021.

Signature

07-15-2021
Date

SUBSCRIBED AND SWORN before me on this 15th day of July, 2021

JESSICA REID
COMMISSION #20181683
NOTARY PUBLIC
STATE OF IDAHO
MY COMMISSION EXPIRES 08/14/2024

Notary Public for STATE

Residing at 751 W 4th St, Kuna, ID 83634

Commission expires 08.14.2024

Kuna School District

Inspiring each student to become a lifelong learner and a contributing, responsible citizen.

Wendy Johnson, *Superintendent*

Kim Bekkedahl, *Asst. Superintendent of Student Learning Services*

David Reinhart, *Asst. Superintendent of School Support Services*

Allison Westfall, *Communications Director*

Brian Graves, *Secondary Coordinator*

Elmira Feather, *Finance and Budget Director*

Kevin Gifford, *Elementary Coordinator*

Kelly Schamber, *Special Education Director*

Mark Thayer, *Administrator of IT*

June 17, 2021

Dear Idaho Broadband Advisory Board,

I am writing as the Assistant Superintendent for Kuna Public School District to support our city's effort to secure funding for improved infrastructure for our students and residents.

Our School District is growing rapidly as our community continues to grow at a record pace. In order to provide education for the families moving here we have to be prepared to build new schools and provide a quality learning environment for our students.

Education changed during the past two years and we have learned the value of being able to immediately change our learning environment between the home and traditional school building on a moment's notice. Increased broadband access is crucial, especially to our families without the means to afford subscriptions or fast devices.

In the past we have worked in partnership with the City of Kuna on laying conduit when possible and planning for the future because broadband is critical to our daily operations.

The plans of the City include a continued partnership with us because they know where are needs are for new schools and existing neighborhoods of highest need.

We see Broadband access as critical to the safety of our students as well. Everyday we work with approximately 5,800 students and 700 employees. Broadband access provides us with safe and secure ways to communicate rapidly and respond to any issues as they come up.

We are in support of the City of Kuna's application to you for high speed broadband connections. If you have any questions for me, please contact me directly.

Regards,

David Reinhart
Assistant Superintendent for School Services

711 E. Porter Rd., Kuna, Idaho 83634
Phone: (208) 922-1000 FAX: (208) 922-5646

POLICE
CITY OF KUNA

Mike Fratusco, Chief of Police

Idaho Broadband Advisory Board,

My name is Mike Fratusco and I am the Chief of Police for the City of Kuna. I am writing this in support of Kuna's request for broadband infrastructure. Kuna is a city of approximately 28,000 people and has seen explosive growth in the last couple of years. Due to the numerous annexations outside of the immediate city center, we have numerous underserved households in need. As we have seen recently with the public health issue, there is a need for households to have access to work from home and communicate at a much faster speed. The broadband will also assist with the accessibility and capacity of the critical infrastructure facilities of emergency responders. It is extremely important to be able to work through the virtual world with the highest and most reliable broadband in our critical daily operations.

As one of the representatives within the realm of emergency services, I wanted to express my support for the City of Kuna's application. Having high speed broadband connections within public safety is critical as we move forward to fulfill public safety connectivity in the future.

Sincerely Mike Fratusco
Kuna City Chief of Police
1450 W. Boise Street
Kuna, Idaho 83634
June 17, 2021

Idaho CARES Act Broadband Grant
Match

Community: Kuna Idaho

Contributor name (& title): Joe Stear, Mayor

Agency/Business: City of Kuna

DESCRIPTION OF DONATION:

Date: 07.15.2021

5% cash match for project

Total Amount Contributed to Project $ 13,917

I hereby certify that the above listed contributions have been made in the amount (s) shown.

Contributor Signature

07-15-2021

W Berryman Ln

W Lake Hazel Rd

S Linder Rd

S Frank And Wilma Ln

S Memory Ln

S Ten Mile Rd

KUNA
PUBLIC WORKS
OFFICE

KUNA LIFT
STATION LOCATION

KUNA
HIGH SCHOOL
(MAIN HUB)

MLB

N

Legend

- ALTERNATIVE
- CHARTER
- ELEMENTARY
- HIGH SCHOOL
- MIDDLE
- CONDUIT HANDHOLE LOCATIONS
- CONDUIT ROUTE (29,136 FEET)

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- IDAHO STATE DEPT OF LANDS
- USA (BUREAU OF LAND MANAGEMENT)
- USA (FOREST SERVICE)
- USA (BUREAU OF RECLAMATION)

0 0.125 0.25 0.5 0.75 1 Miles