

Application to DHCD Submitted through CAMS

County of Floyd

Floyd County: Extending Fiber along Private Roads & Apartments

Application ID: 95708082022100904
Application Status: Pending
Program Name: Virginia Telecommunication Initiative 2023 - Application
Organization Name: County of Floyd
Organization Address: 120 West Oxford Street
Floyd, VA 24091-2222
Profile Manager Name: Lydeana Martin
Profile Manager Phone: (540) 745-9300
Profile Manager Email: lmartin@floydcova.org

Project Name: Floyd County: Extending Fiber along Private Roads & Apartments
Project Contact Name: Lydeana Martin
Project Contact Phone: (540) 745-9300
Project Contact Email: lmartin@floydcova.org
Project Location: PO Box 218
Floyd, VA 24091-2222
Project Service Area: Floyd County

Total Requested Amount: \$1,557,616.00

Required Annual Audit Status: Accepted

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Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$1,557,616.00	\$958,865.00	\$2,516,481.00
Construction	\$1,557,616.00	\$0.00	\$1,557,616.00
Other: Materials	\$0.00	\$629,596.00	\$629,596.00
Other: Cust premise equip installatio	\$0.00	\$329,269.00	\$329,269.00
Total:	\$1,557,616.00	\$958,865.00	\$2,516,481.00

Budget Narrative:

This budget is fully developed, explained and supported in the Derivations of Costs and Cost Supporting Documentation attachments. Linear footage calculations were completed by Citizens Telephone engineering department. Material and labor estimates were based on very recent invoices for similar work. In general, VATI funds will pay for construction, which Citizens will pay for all materials plus customer premises equipment and installation.

Questions and Responses:

1. Project Description and Need

Describe why and how the project area(s) was selected. Describe the proposed geographic area including specific boundaries of the project area (e.g. street names, local and regional boundaries, etc.). Attach a copy of the map of your project area(s). Label map: Attachment 1 – Project Area Map.

Answer:

Thanks to our VATI 2022 grant and Citizens Telephone Cooperative prior work, all state roads in Floyd County and many long private driveways (income eligible) will have fiber access with 1,000 Mbps/500 Mbps service by the end of 2023. Because we are such a rural, mountainous county with a population density of only 41 people per square mile, there will still be many long private roads (shared driveways) that will not have fiber access nor 100/20 service at their homes. This project will fix that by extending fiber and Gig service down about 115 private shared driveways/private roads, covering 73.5 miles total, passing 553 homes and businesses. Also, this project will serve the two low-income apartment complexes in Floyd (Pine Ridge and Blue Ridge apartments) by extending fiber into their facilities thus providing affordable, robust internet access to 78 households there. (Note that we are working with any remaining long, individual driveways to seek help through the LECAP program.)

As has been made abundantly clear by the pandemic, robust internet access is essential for education, work and entrepreneurial opportunities, and health access. At project completion, if funded, every household and business on every state road and every private road/shared driveway will have access to Gigabyte service, plus all the residents of both LMI apartments in the County. This is 631 households and businesses that will finally be able to access robust internet now essential for learning, income and service opportunities. See Attachment 1 with map of households to be served. Note the private, shared driveways are spread all around the County.

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2. List existing providers in the proposed project area and the speeds offered. Describe your outreach efforts to identify existing providers and how this information was compiled with source(s).

Answer:

We used broadbandmap.fcc.gov to access the latest information on providers and speeds offered at each address. The providers vary somewhat. There are three satellite service providers (ViaSat, Hughes Net, and VSAT) offering services of up to 100/3, 33/3 and 2/1.7, respectively; but since satellite service is unreliable and very expensive in the mountains, we are excluding those. Note that all are less than 100/20. Also, some addresses indicate Gig service/fiber from Citizens, but that info is based on service on the nearest state road address; it does not currently extend up the private road that the serviceable unit is located and will not without this proposed project being funded. For detailed address level information, please see Attachment 3: Documentation of Current Service on Locations to be Served (includes Provider and FCC Listed Speeds by Address.) There are 6 non-satellite providers that serve some addresses in Floyd County. Of the 631 addresses we propose to serve, according to the FCC data, only Citizens offers 100/20 service in the area of any of these addresses, and, again, they service is only to the state road and not down the long, shared driveways. Here are the details:

- Citizens, wire, 1.5/0.768--1 unit passed
- Citizens, wire, 3/0.768-- 2 units passed
- Citizens, ADSL, 10/1.5---528 units passed; plus 36 apartments (Pine Ridge) have VDSL of up to 25/3
- **Citizens, ADSO, 50/10--43 units passed (only available service that's over 25/3 of these 631 units)**
- Citizens, fiber, 1,000/500--No units passed (fiber only goes along state roads, not along these private roads)
- Lumen Tech , ADSL, up to 10mbps/1 mbps--3 units passed
- T Mobile, fixed wireless, up to 25/3--315 units passed on private roads, plus 78 apartments; total of 393 units
- Telephone and Data System, Inc. (TDS), fixed wireless, 2/up to 1.9--536 units passed
- Verizon, ADSL, 3/0.768--37 units passed ; 5/0.768--5 units passed
- Virginia Everywhere, fixed wireless, up to 15/3--160 units passed; plus 1 unit with 25/3

3. Describe if any areas near the project have received funding from federal grant programs, including but not limited to Connect America Funds II (CAF II), ACAM, ReConnect, Community Connect, and Rural Digital Opportunity Funds (RDOF). If there have been federal funds awarded near the project area(s), provide a map showing these areas, verifying the proposed project area does not conflict with these areas. Label Map: Attachment 2 – Documentation on Federal Funding Area.

Answer:

Much of Floyd County has been aided by ACAM funds via Citizens Telephone Cooperative. The areas eligible and receiving ACAM are the entire County except where we did our first VATI grant in Copper Hill, are doing our VATI 2022 project (last 3% of state roads plus many long driveways), and the long, shared driveways and two apartment complexes in this proposal. Note that ACAM does not pay for fiber to be extended up driveways. See Attachment 2- Documentation of Federal Funding Area (Map of Floyd County Areas served with ACAMS, plus past two and proposed VATI areas.)

4. Overlap: To be eligible for VATI, applicants must demonstrate that the proposed project area(s) is unserved. An unserved area is defined as an area with speeds below 100/20 Mbps and with less than 25% service overlap within the project area for wireless projects and 20% for wireline projects. Describe any anticipated service overlap with current providers within the project area. Provide a detailed explanation as to how you determined the percentage overlap. Label Attachment: Attachment 3 – Documentation Unserved Area VATI Criteria.

Answer:

There should be no real overlap. This project will all be the two low income apartment complexes and about 115 private roads which are not currently served. Often they are addressed to a public road, which may be served, but it's not a true overlap. Attachment 3-Documentation Unserved Area VATI Criteria.

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5. Total Passings: Provide the number of total serviceable units in the project area. Applicants are encouraged to prioritize areas lacking 25 Megabits per second download and 3 Megabits per second upload speeds, as they will receive priority in application scoring. For projects with more than one service area, each service area must have delineated passing information. Label Attachment: Attachment 4 – Passings Form.
- a. Of the total number of VATI passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area.
 - b. If applicable, of the total number of RDOF passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area.
 - c. If applicable, provide the number of passings that will require special construction costs, defined as a one-time fee above normal service connection fees required to provide broadband access to a premise. Describe the methodology used for these projections.
 - d. If applicable, provide the number of passings included in the application that will receive broadband access because special construction costs have been budgeted in the VATI application. Describe the methodology used for determining which passings with special construction costs were budgeted in the application.
 - e. Provide the number of passings in the project area that have 25/3 Mbps or less. Describe the methodology used for these projections. (up to 15 points)

Answer:

- a. There will be 618 households served, 6 non-home based businesses, 6 home-based businesses, and 1 non-residential, for a total of 631.
 - b. No RDOF passings.
 - c. All proposed are special construction, which means they are more than 500 feet from the state road (Citizen's standard drop length is 500 feet) or are into apartment complexes.
 - d. All proposed passings will receive broadband access because special construction costs have been budgeted in the VATI application. In general, VATI funds will pay for construction, which Citizens will pay for all materials plus customer premises equipment and installation.
 - e. 588 of the passings have 25/3 or less based on the FCC data; this includes all 78 LMI apartments. See Attachment 3 for details.
6. Describe if any blocks awarded in Rural Digital Opportunity Fund (RDOF) are included in the VATI application area. If RDOF areas are included in the VATI application, provide a map of these areas and include information on number of passings in RDOF awarded areas within the VATI application area, and Census Block Group ID number for each block group in the project area. Label Attachment: Attachment 5 – RDOF Awarded Areas Form in VATI Area

Answer:

- No RDOF areas in this project area.
7. **For wireless projects only:** Please explain the ownership of the proposed wireless infrastructure. Please describe if the private co-applicant will own or lease the radio mast, tower, or other vertical structure onto which the wireless infrastructure will be installed.

Answer:

not applicable

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8. Network Design: Provide a description of the network system design used to deliver broadband service from the network's primary internet point(s) of presence to end users, including the network components that already exist and the ones that would be added by the proposed project. Provide a detailed explanation of how this information was determined with sources. Provide information on how capacity for scalability, or expansion, of how the network can adapt to future needs. If using a technology with shared bandwidth, describe how the equipment will handle capacity during peak intervals. For wireless projects, provide a propagation map for the proposed project area with a clearly defined legend for scale of map. Label Map: Attachment 6 – Propagation Map Wireless Project.

Answer:

This is a 100% fiber design. We currently have distribution fiber throughout Floyd County and are constructing more in the next 12 months. The electronics for this project will be served out of our existing telecommunications buildings using existing backup power generators on-site.

Having a 100% fiber design offers many benefits over other types of broadband infrastructure: 1) Provides virtually unlimited bandwidth capacity 2) Less susceptible to corrosion or power surges from lightning and other sources, resulting in greater reliability and less service interruptions 3) it is impacted less by distance than other types of broadband service; 4) no RF (Radio Frequency) interference.

The network topology will be PON (Passive Optical Network) with Active Ethernet overlay. We will be using 32:1 ratio on the network (or up to 32 customers per PON) for residential and small office/home office customers. The PON equipment will meet or exceed the G-PON standard with the ultimate goal of deploying or upgrading to a NG-PON2 solution which may happen after the grant is completed. G-PON and NG-PON2 can work on the same fiber; however NG-PON2 (new standard) equipment is currently running 3 to 4 times the price of G-PON equipment. We currently have G-PON deployed in the town of Floyd, VA with the current utilization of 2-4% per PON using a 32:1 ratio. This project is adjacent to our current Fiber to the Home overbuild in our traditional ILEC (Incumbent Local Exchange Carrier) footprint (predominantly Floyd County). That project is already underway and is being funded by the FCC Alternative Connect America Fund Model (A-CAM) that applies to Rate of Return carriers like ourselves.

9. Speeds: Describe the internet service offerings, including download and upload speeds, to be provided after completion of the proposed project. Detail whether that speed is based on dedicated or shared bandwidth, and detail the technology that will be used. This description can be illustrated by a map or schematic diagram, as appropriate. List the private co-applicant's tiered price structure for all speed offerings in the proposed project area, including the lowest tiered speed offering at or above 100/20 Mbps. (up to 10 points)

Answer:

Citizens will provide direct fiber to the proposed customers. See # 9 below for network design. All will have 1,000Mbps (1Gbps) Download / 500Mbps (0.5Gbps) Upload plus Wifi. Citizens provides premium services at affordable prices for our community. Residential pricing is based on data tiers:

- 150 GB for \$49.95 per month
- 400GB for \$69.95 (90% of current Citizens' customers use less than this).
- 800GB for \$89.95

Higher tiers are also available. Incremental charge of \$5 per 50 GB will be charged should subscribers go over subscribed monthly usage. Citizens will continue to partner with Floyd County Public Schools and provide reduced broadband fees (\$10/month) through our Student Connect program for students in households with low-to-moderate incomes. They also provide half price rates for low-income adult households.

10. Explain how the proposed project achieves universal broadband coverage for the locality or fits into a larger plan to achieve universal broadband coverage for the locality. If applicable, explain the remaining areas of need in the locality and a brief description of the plan to achieve universal broadband coverage. (up to 50 points)

Answer:

To us, universal broadband is passing every household on public or private roads. These 115 private roads reach the deepest pockets of houses and businesses, other than individual driveways. And we are working with households on individual private driveways to connect with LECAP funds.

This final VATI grant would cast a literal economic and educational lifeline to people who live on a long, shared private drive off a state-maintained road as well as to the residents of Blue Ridge and Pine Ridge (low income) apartments in Floyd. In total, if this project is funded, 631 households and businesses would gain affordable access to 1,000 Mbps download and 500 Mbps upload, and we will reach universal broadband coverage.

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11. Project Readiness

Describe the current state of project development, including but not limited to: planning, preliminary engineering, identifying easements/permits, status of MOU or MOA, and final design. Prepare a detailed project timeline or construction schedule, identifying specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates. Applicants are encouraged to extensively discuss, where applicable, easements relating to railroad crossings, federally-owned lands and parks, partnerships with the Virginia Department of Transportation, and mobile home parks. Applicants must include Memorandums of Understanding (MOUs) or Memorandums of Agreement (MOAs) between applicants (drafts are allowable). Label Attachments: Attachment 7 – Timeline/Project Management Plan; Attachment 8 – MOU/MOA between Applicant/Co-Applicant; (up to 10 points)

Answer:

Citizens has identified all shared private driveways and households/businesses/other to be served. As soon as grant funds are awarded, Citizens would be able to begin scheduling the 115 of the long, shared driveways and complete those within 18 months of grant award and contract (fiber will already be available along the state road). Assuming a start of January 2023, fiber service to the two apartment complexes would be completed by 12/31/23. Their internal engineering team is very familiar with the planning and design required for this.

This will be our 4th joint project with Citizens (3rd VATI), so we have a recent MOU that we could re-use or adjust as needed.

See Attachments: Attachment 7 – Timeline/Project Management Plan; Attachment 8 – MOU/MOA between Applicant/Co-Applicant

12. Has the applicant or co-applicant received any VATI grants? If so, provide a list of these grants, with a detailed summary of the status of each.

Answer:

Yes, we received a VATI 2018/19 grant for the Copper Hill Area. It has been successfully completed and closed out.

We received a VATI 2022 grant for the last 3% of state roads, plus some long driveways. Construction is underway and all should be completed by the end of 2023.

13. Matching funds: Complete the funding sources table indicating the cash match and in-kind resources from the applicant, co-applicant, and any other partners investing in the proposed project (VATI funding cannot exceed 80 percent of total project cost). In-kind resources include, but are not limited to: grant management, acquisition of rights of way or easements, waiving permit fees, force account labor, etc. Please note that a minimum 20% match is required to be eligible for VATI, the private sector provider must provide 10% of the required match. If the private co-applicant cash match is below 10% of total project cost, applicants must provide financial details demonstrating appropriate private investment. If applicants and co-applicants are seeking to include prior expended funds as matching funds, Attachment 11 must be completed. Label Attachments: Attachment 9 - Funding Sources Table; Attachment 10 – Documentation of Match Funding; Attachment 11 - Prior Expended Match Form

Answer:

Citizens Telephone Cooperative is providing \$958,865 in matching funds for this project (38% of project), which includes materials plus customer premise equipment and installation. Not included in these match numbers are the in-kind match of Citizens' staff time for project engineering, construction and financial management, and marketing by Citizens and grant administration by Floyd County staff.

See Attachment 9--Funding Sources Table; Attachment 10 Documentation of Match Funding (Citizens' letter and County letter).

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14. Leverage: Describe any leverage being provided by the applicant, co-applicant, and partner(s) in support of the proposed project. (up to 10 points)

Answer:

Though it is not included in the budget for this project, Citizens will the planning and engineering for the project, and Floyd County staff will provide grant management/support (see Letter of Commitment from Floyd County in Attachment 10).

The Floyd County EDA also stands ready to help home-based businesses learn to capitalize on the Gigabyte service through their multiple programs including the Floyd C4 Business Development Series and Challenge, the Floyd Growth Wheel program (a peer-to-peer program), the Floyd 5 & 10 Small Business Loan Program, Floyd Grown (technical support for agricultural and forestry-related businesses), the Floyd Innovation Center and very soon the Floyd Growth Center and Building 1 to provide next-stage space and sites for growing businesses. One thread that runs through these programs is the effort to encourage and support entrepreneurship, innovation, and the development and sale of premium products and services, especially online. (see Attachment 11 for a letter of support from the Economic Development Authority of Floyd County Chairman.)

15. Communications Plan: Describe efforts to keep the public informed of project progress and the broadband adoption plan.

a. Explain how you plan on communicating the project status to stakeholders, including but not limited to County leadership, project areas residents, etc. (Up to 10 points)

b. Explain how you plan to promote customer take rate, including marketing activities, outreach plan, and other actions to reach the identified serviceable units within the project area. Provide the anticipated take rate and describe the basis for the estimate. (up to 10 points)

c. Describe any digital literacy efforts to ensure residents and businesses in the proposed project area sufficiently utilize broadband. Please list any partnering organizations for digital literacy, such as the local library or cooperative extension office.

Answer:

Citizens has been providing and promoting telecommunications services for over 100 years in Floyd County. They are a regional leader in broadband and very involved in the community. Currently, Citizens has to have nuanced marketing as different parts of the County have different levels of service, but when this project is completed, it will be ubiquitous, and marketing can be stronger, clearer and broader. Citizens uses marketing channels including email, direct mail, billboard, social media (including ad purchases), their community cable channel, and partnerships such as with the Floyd County Public School system. Citizens' advantage is their strong base of knowledge and relationships with customers in prior telecom services. Take rates are expected to be 25% very quickly, then reach 50-75% within 3 years based on the recent rates in other areas of the County with access to fiber already. See Attachment 17 Citizens Communication Plan.

Digital literacy efforts have been a broad community effort, including through public schools which Citizens partnered with in the mid-1990's to extend Internet to every classroom in the County. Today all 5 public schools have fiber service. As noted elsewhere, Citizens also coordinates with the school to provide low-to-moderate income students with broadband for just \$10/month, and with Social Services to provide half-price service to low-income adult residents. The Jessie Peterman Memorial Library in Floyd also has fiber connectivity; they have long had a computer lab available for training and public use. The Floyd County Economic Development office also focuses on providing training for the County's many small businesses on social media marketing and e-commerce.

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16. Project Management: Identify key individuals who will be responsible for the management of the project and provide a brief description of their role and responsibilities for the project. Present this information in table format. Provide a brief description of the applicant and co applicant's history and experience with managing grants and constructing broadband communication facilities.

Answer:

Donna Smith, Chief Operating Officer, will be the Project Manager, overseeing all planning, procurement and construction. Strategic direction and guidance will be provided by Greg Sapp, the CEO and General Manager of Citizens Telephone Cooperative and its subsidiaries (since 2008.) Citizens is already working with firms on related projects so this could be readily added to that work. Engineering will be completed in-house by Citizen's Engineering team lead by Russell Janney. See management plan table in Attachment 7 Timeline and Management Plan. Lydeana Martin (Community and Economic Development Director, MBA, AICP) will lead grant administration and project support for the County along with Chris Bond, Citizen's Chief Financial Officer, and the County's Finance Director (Kim Chiddo). They will request assistance from Linda Millsaps, PhD, County Administrator; Mark Bolt, Building Official, and Tabitha Hodge, Economic Development Operations Manager, as needed.

All of this work will be completed by Citizens unless otherwise noted. The co-applicant (Citizens) will perform all work as outlined in the application and follow-on agreement, if the grant is awarded. See Attachment 10 for Letters from Applicant and Co-Applicant which affirm this. Grant administration including review of co-applicant requests for reimbursement, seeking funds, providing disbursement, and preparing related County information for auditors will be managed by County staff (Kim Chiddo, Tabitha Hodge and Lydeana Martin), and overseen by Linda Millsaps, PhD, County Administrator. All decisions on reimbursement will be made by the Grantor (DHCD), and the County will not be responsible for any non-reimbursable expenses by the co-applicant or any contractor.

Floyd County has managed millions of dollars of grants in recent years including a 2018 VATI grant, over \$2 million in state R&D grants, over \$2 million in construction grants for the Floyd Innovation Center, and more than a dozen smaller grants for various programs.

Citizens has been providing communications services to rural parts of Virginia and since 1914 and serves as the ILEC (Incumbent Local Exchange Carrier) to approximately 85% of Floyd County. They are a member-owned cooperative focused on bringing modern communications services to rural areas that are available in urban areas of the country. Citizens started deploying fiber more than 2 decades ago. By 1995, every classroom in Floyd County (4 elementary schools and one high school) had access to the Internet; for context, here are the founding dates of some household names: Amazon, 1994; Ebay, 1995; Google, 1998; Facebook, 2004. Citizens has managed many millions of dollars in broadband facility grants from both federal and state sources. Citizens has successfully completed many fiber construction projects, including a \$11.5 million federal Broadband Technology Opportunity (BTOP) grant in 2013. Citizens currently offers FTTH (Fiber to the Home) in many areas of Floyd County thanks to ACAM support. Citizens also provides cable services to several surrounding localities as well. From 2005 until 2013, Citizens partnered with localities and obtained grants to build a regional open access network in rural southwest Virginia. Citizens now operates a 440-mile regional open access fiber network in 10 Virginia that spans 10 counties, 10 towns and 3 cities including 15 industrial parks. Along this network, Citizens provides wholesale transport and Internet bandwidth to a variety of service providers and provides service to first responders, educational institutions, and to medical facilities. Citizens also partners with other open access networks in Virginia like Mid Atlantic Broadband Cooperative (MBC) to provide high-capacity optical transport services that are necessary to assist in the economic revitalization efforts of Southwest and Southside Virginia.

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17. Project Budget and Cost Appropriateness

Budget: Applicants must provide a detailed budget that outlines how the grant funds will be utilized, including an itemization of equipment, construction costs, and a justification of proposed expenses. If designating more than one service area in a single application, each service area must have delineated budget information. For wireless projects, please include delineated budget information by each tower. Expenses should be substantiated by clear cost estimates. Include copies of vendor quotes or documented cost estimates supporting the proposed budget. Label Attachments: Attachment 12 – Derivation of Costs; Attachment 13 - Documentation of Supporting Cost Estimates. (up to 10 points)

Answer:

Detailed cost estimates are provided in Attachments 12 and 13, and are broken down between the long, shared driveways and the two apartment complexes. Estimates are based on recent invoices for similar work, and those invoices are in Attachment 13.

18. The cost benefit index is comprised of state cost per unit passed. Individual cost benefit scores are calculated and averaged together to create a point scale for a composite score. Provide the following:
- Total VATI funding request
 - Number of serviceable units
(up to 125 points)

Answer:

a. VATI funding request: \$1,557,616

b. 631 Serviceable Units

19. Commonwealth Priorities (Up to 50 points)

Additional points will be awarded to proposed projects that reflect Commonwealth priorities. If applicable, describe the following:

- Businesses, community anchors, or other passings in the proposed project area that will have a significant impact on the locality or region because of access to broadband.
- Unique partnerships involved in the proposed project. Examples include electric utilities, universities, and federal/state agencies.
- Digital equity efforts to ensure low to moderate income households in the proposed project area will have affordable access to speeds at or above 100/20 mbps, include information regarding the internet service provider's participation in the Affordable Connectivity Program
- The co-applicant's efforts to mitigate supply chain constraints, including labor shortages and order-to-delivery delays on telecommunications materials required to construct broadband networks.
- The applicant's and co-applicant's efforts to promote broadband adoption, including, but not limited to: telehealth, smart farming, e-entrepreneurship, and distance learning.

Answer:

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- a. There are 6 businesses (non-home based) and at least 6 home based businesses. The Town-County Public Service Authority would also be served, which could expand their ability in the long term to utilize remote monitoring, etc.
 - b. Citizens Telephone is partnering with the Floyd County School System to provide \$10/month broadband to low-to-moderate students' homes, and tying them to the school network for screening and security. In turn, the Floyd County School System is partnering with Virginia Tech, Radford University and New River Community College to expand learning options for students.
 - c. Yes, Citizens' participates in the Affordable Connectivity Program, as noted above with the \$10/month Student Connect program for low-to-moderate students and half-price offerings for low-income adults. Furthermore, the two low-income apartments in Floyd currently lack robust connection so this project is targeting service to each apartment (78 total.)
 - d. Citizens is aware of supply chain constraints and is accustomed to strategically ordering quantities in advance to not be disrupted by shipping delays. Citizens currently has on hand enough inventory to work through June 2023.
 - e. The County's Community and Economic Development Department, along with the Economic Development Authority of Floyd County, the Floyd County Tourism Office and Citizens' Telephone Cooperative have been working for several years to promote smart farming, e-entrepreneurship and distance learning. Examples include:
 - The Floyd Innovation Center, building in 2014, to focus on leasable spaces for the development and production premium products and services that can be done online as well as training and programming for businesses not based there.
 - Floyd Grown 1 and Floyd Grown 2, projects funded by the Virginia Department of Agriculture and Consumer Services to provide technical assistance and cash-mini-grants to farms and forest-related businesses for value-chain enhancement, such as productivity and efficiency improvements and professional images and videos helpful for e-commerce success.
 - ShopFloydVA—In 2020 when many businesses were forced to pursue e-commerce, we recognized as an opportunity to accelerate our work. The County used some of its CARES dollars to help more than 80 businesses set-up and/or promote e-commerce sites, and marketed a site with links to all (ShopFloydVA.org).
 - The annual Floyd C4 Business Development Series and Challenge is about to happen for the 8th time, including twice virtually during pandemic. In this series, we provide free training and networking and potential cash prizes. Participants learn about business canvas, marketing, operations, finance, and pitching. We use local examples of e-commerce and smart use of technology.
 - Floyd County supports the Accessing Community College Education (ACCE) program in collaboration with New River Community College Foundation and the Virginia Tobacco Region Revitalization Commission which insures that new local high school graduates with at least a 2.5 GPA can receive up to a 2-year education tuition-free regardless of their income. Many students are able to take many of the classes online, and even more will be able to if this grant is approved.
 - Citizens has worked with local farms to set up digital weather stations (Carter Holliday's orchard), remote sensing (Riverbend Nursery automated greenhouses), and other smart farming methods (this is a guess! Is this right? Anything else?)
- Tri-Area Community Health in Floyd has been working to expand use of telehealth. The areas Citizens already had Gig service from the start of the pandemic onward were ready and able to access telehealth options/

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20. Additional Information

Please attach any letters of support from stakeholders. If the applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality.

Attachment 14 – Letters of Support.

Provide the two most recent Form 477 submitted to the FCC, or equivalent, as well as point, polygon, and, for wireless providers, RSSI shapefiles for the project area **in .zip file form**. With attachments 17 through 20, attach any other information that the applicant desires to include. Applicants are limited to four additional attachments.

Label Additional Attachments as:

- a. Attachment 15 – Two most recent Form 477 submitted to the FCC or equivalent
- b. Attachment 16 - Point and Polygon shapefiles, in .zip file form, showing proposed passings and project area
- c. Attachment 17 - For wireless applicants: shapefiles, in .zip file form, indicating RSSI projections in the application area
- d. Attachment 18 – XXXXXXXX
- e. Attachment 19 – XXXXXXXX
- f. Attachment 20 – XXXXXXXX

Answer:

See Attachment 17 Citizens Communication Plan

Attachments:

Map(s) of project area, including proposed infrastructure

Att1ProjectMap8182022101420.jpg

Documentation of Federal Funding (CAF/ACAM/USDA/RDOF, etc...) in and/or near proposed project area.

Att2DocumentationofFederalFunds8182022101526.jpg

Documentation that proposed project area is unserved based on VATI criteria

Att3DocumentationofUnservedAreas818202254223.pdf

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Passings Form (Use template provided)

Att4VATIPassingsFormupdated8182022101738.pdf

Timeline/Project Management Plan

Att7TimelineandManagementPlan8182022103532.pdf

MOU/MOA between applicant/co-applicant (can be in draft form)

ATT8MOUAgreement8182022102238.pdf

Funding Sources Table (Use template provided)

Att9VATIFundingSourcesTable8182022103110.pdf

Documentation of Match Funding

Att10DocumentationofMatchingVATI20238182022114123.pdf

Derivation of Cost/Project Budget (Use template provided)

Att12DerivationofCostsWorksheet8182022103308.pdf

Documentation of Supporting Cost Estimates

Att13DocumentationSupportingCostEstimates8182022104703.pdf

Letters of Support

Attachment14LettersofSupport8182022104205.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Att15Last2FCCForm4778182022103750.pdf

Point and Polygon shapefiles, in.zip file form, showing proposed passings and project area

Vati2023817202251908.zip

Optional

Att17VATI2023CommunicationPlan8182022103610.pdf

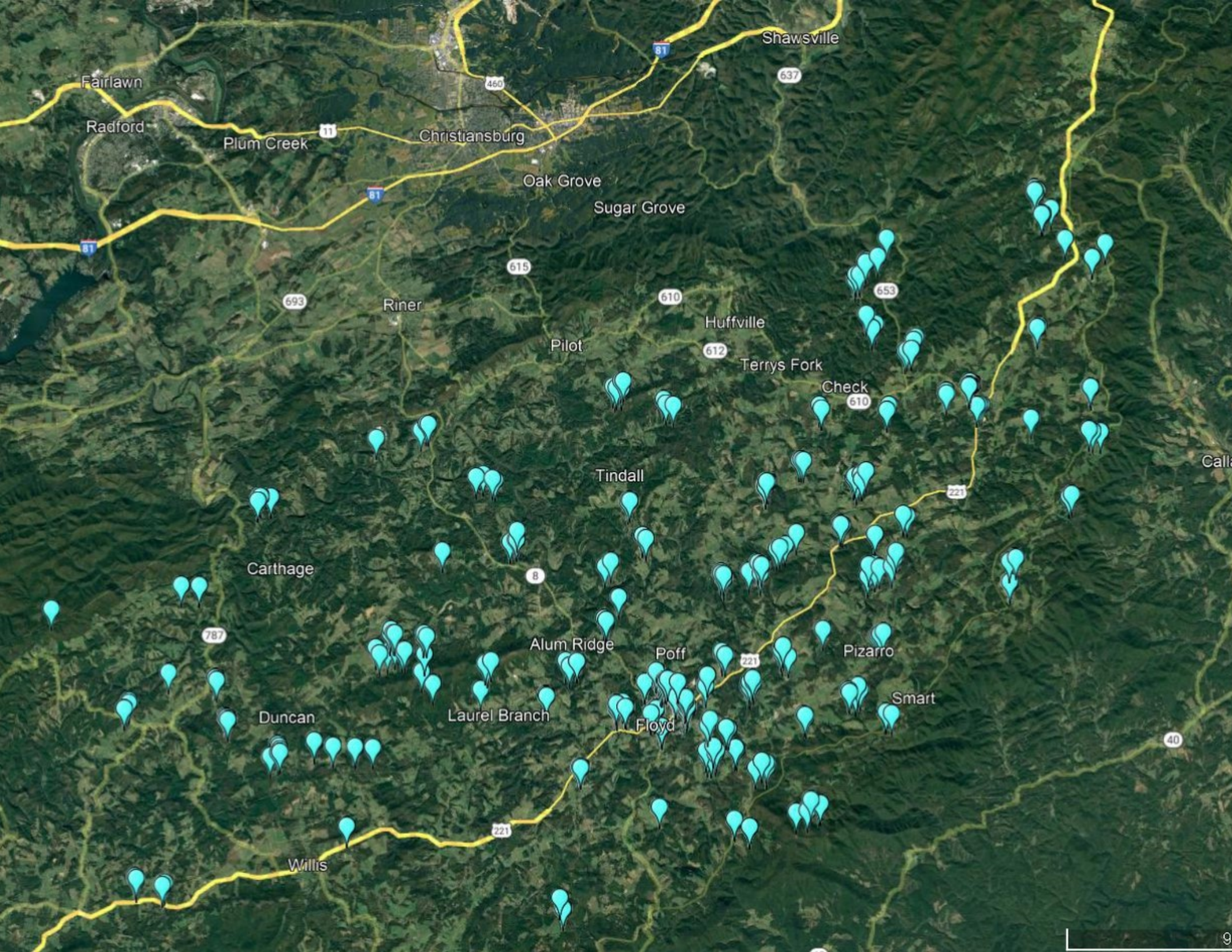
Application to DHCD Submitted through CAMS

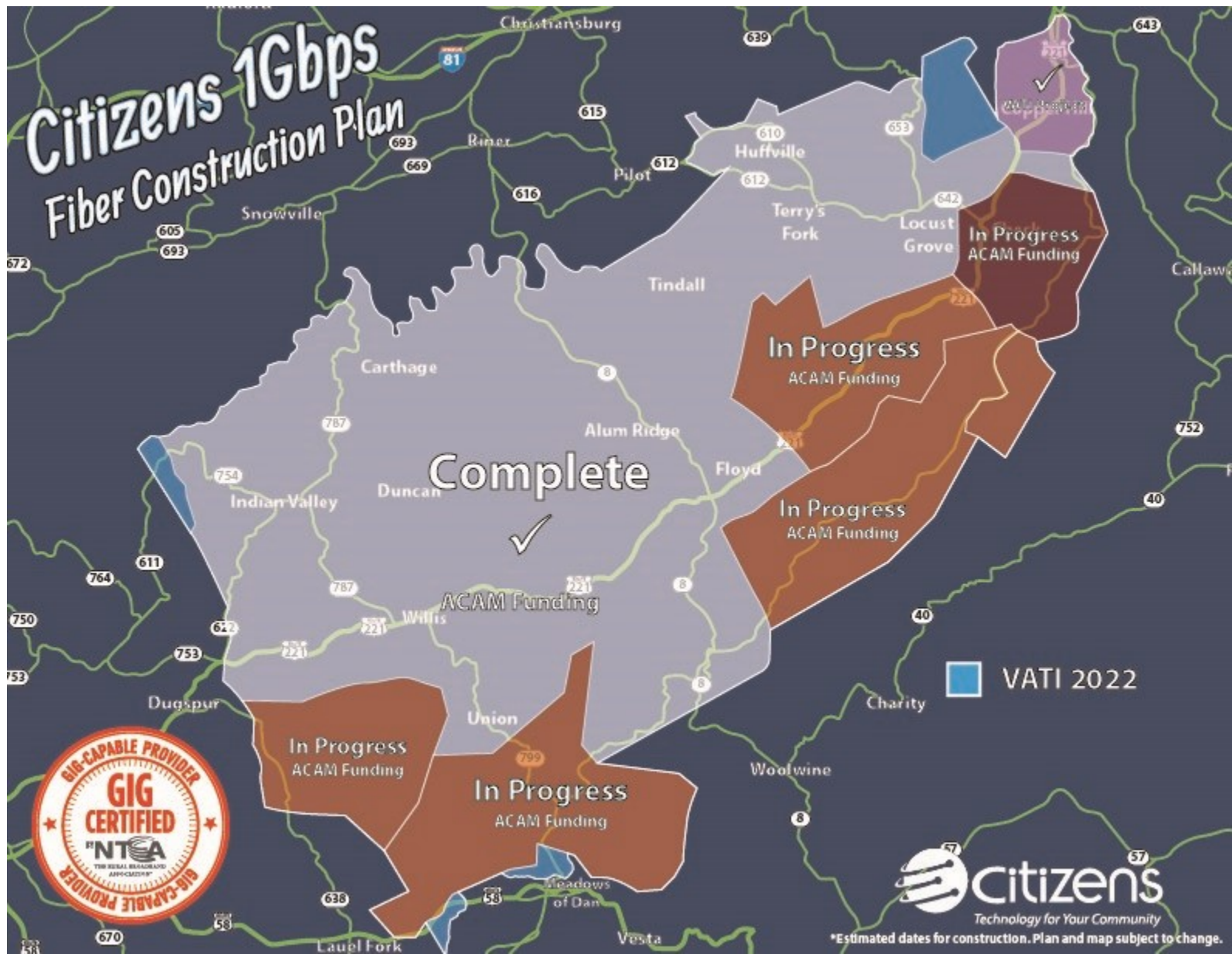
County of Floyd

Floyd County: Extending Fiber along Private Roads & Apartments

Notes:

Thank you for your help to already get us enough funding to serve all state roads! Just 73.5 more miles to go to cover all private roads, too.





Private Roads

Data from https://broadbandmap.fcc.gov/

CITY_NAME	SRV_ADDR_ID	ADDRESS					Citizens fiber-- 1000 MB/500; if to state road only;, then not to private drive	Citizens ADSL 10/1.5	Citizens ADSL 50/10--to state road only; not private drive	Citizens 1.5/0. 768	Satellite 100/3 or less (Viasat-up to 100/3; Hughes up to 25/3; VSAT up to 2/1.7)	TDS 2/1.3-1.9	VA Everywhere LLC Fixed Wireless 15/3	Fastlink Comm	Century Link ADSL 10/1	T-Mobile Fixed Wireless 25/3	Lumen Tech ADSL--10/1 and/or 3/0.5	Verizon ADSL 3/0.768	linear feet
		103	ALDERMAN	DR	SE			Yes	state road only		yes					yes			
		109	ALDERMAN	DR	SE			Yes	state road only		yes					yes			
		188	ALDERMAN	DR	SE			Yes	state road only		yes					yes			1,100
		115	ALPINE	DR	SW			Yes			yes	yes							1,200
		157	ALPINE	DR	SW			Yes			yes	yes							
		203	ALPINE	DR	SW			Yes			yes	yes							
FLOYD	97390010235	144	ANAHATA	CIR	NE			Yes			yes	yes				yes			
FLOYD	8467	146	ANAHATA	CIR	NE			Yes			yes	yes				yes			1,100
		130	AUSTIN	LN	SE			Yes			yes	yes				yes			
		145	AUSTIN	LN	SE			Yes			yes	yes				yes			1,900
MEADOWS OF DAN	99280000622	104	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	99280000623	109	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	376	162	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	7149	184	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	99280000624	196	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	99260000091	302	AZALEA	DR	SW			Yes			yes	yes							
MEADOWS OF DAN	375	307	AZALEA	DR	SW			Yes	state road only		yes	yes							2,700
CHECK	98950162846	105	BACKWOODS	LN	NE			Yes	state road only		yes	yes	Yes						
CHECK	98950162847	125	BACKWOODS	LN	NE			Yes	state road only		yes		Yes						
CHECK	98950162848	137	BACKWOODS	LN	NE			Yes	state road only		yes		Yes						1,300
WILLIS	1094	161	BAGSHOT	ROW	RD	NW	state road only	Yes			yes		Yes			Yes			
WILLIS	97390010243	172	BAGSHOT	ROW	RD	NW	state road only	Yes			yes		Yes			Yes			1,150
FLOYD	99280002327	106	BELL	FARM	RD	SE		Yes			yes	yes				yes			
FLOYD	8224	212	BELL	FARM	RD	SE		Yes			yes	yes				yes			
FLOYD	2875	234	BELL	FARM	RD	SE		Yes			yes	yes				yes			2,950
MEADOWS OF DAN	99280003401	100	BLACKBERRY	LN	SW			Yes			yes	yes					Yes		
MEADOWS OF DAN	99280003665	118	BLACKBERRY	LN	SW			Yes			yes	yes					Yes		
MEADOWS OF DAN	81200000885	128	BLACKBERRY	LN	SW			Yes			yes	yes					Yes		
MEADOWS OF DAN	99280003667	131	BLACKBERRY	LN	SW			Yes			yes	yes				yes	yes		1,100
FLOYD	97390010285	115	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/10		yes	yes							
FLOYD	97390010286	117	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/11		yes	yes							
FLOYD	3319	127	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/12		yes	yes							
FLOYD	97390010287	128	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/13		yes	yes							
FLOYD	3316	129	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/14		yes	yes							
FLOYD	99260000292	129	BLUE	WILLOW	LN	SE		Yes	Yes, ADSL 50/15		yes	yes							1,400
INDIAN VALLEY	2659	104	BOYD	LN	NW		state road only	Yes			yes	yes				Yes			
INDIAN VALLEY	97390010296	106	BOYD	LN	NW		state road only	Yes			yes	yes				Yes			
INDIAN VALLEY	5707	255	BOYD	LN	NW		state road only	Yes			yes	yes				Yes			2,500
FLOYD	97390010297	130	BREEZEWAY	LN	SE			Yes			yes	yes							
FLOYD	6095	317	BREEZEWAY	LN	SE			Yes			yes	yes							
FLOYD	4012	321	BREEZEWAY	LN	SE			Yes			yes	yes							
FLOYD	4905	344	BREEZEWAY	LN	SE			Yes			yes	yes							4,400
RINER	4199	106	BROOKFIELD	LN	NE			Yes			yes	yes	25/3			Yes			1,140
RINER	98240002314	144	BROOKFIELD	LN	NE			Yes			yes	yes				Yes			
MEADOWS OF DAN	380	122	BUCK	TRAIL	RD	SW		Yes			yes	yes							1,950
MEADOWS OF DAN	372	251	BUCK	TRAIL	RD	SW		Yes	state road only		yes	yes							
WILLIS		107	BUFFALO	VISTA	LN	SW	state road only	yes	state road only		yes	yes							
WILLIS		118	BUFFALO	VISTA	LN	SW	state road only	yes	state road only		yes	yes							
WILLIS		531	BUFFALO	VISTA	LN	SW	state road only	yes	state road only		yes	yes							
WILLIS		548	BUFFALO	VISTA	LN	SW	state road only	yes	state road only		yes	yes							
WILLIS		569	BUFFALO	VISTA	LN	SW	state road only	yes	state road only		yes	yes							9,500
FLOYD	3520	109	CAMP	CREEK	DR	NE		yes	state road only		yes	yes	yes			yes			

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FLOYD	3516	128	CAMP	CREEK	DR	NE		yes	state road only		yes	yes	yes			yes			
FLOYD	3519	148	CAMP	CREEK	DR	NE		yes	state road only		yes	yes	yes			yes			800
CHECK	99260000407	104	CAMPBELL	CROSSING	NE			yes	state road only		yes	yes							
CHECK	2817	119	CAMPBELL	CROSSING	NE			yes	state road only		yes	yes							
CHECK	2810	130	CAMPBELL	CROSSING	NE			yes	state road only		yes	yes							2,750
FLOYD	97390010355	103	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	4251	106	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2146	109	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2144	110	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280001927	115	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	4262	116	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2143	120	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390010356	121	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280003331	125	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390010357	128	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	7201	133	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280003553	140	CAROLYNS	CT	SW		state road only	yes	state road only		yes	yes				yes			2,000
MEADOWS OF DAN	99280002092	209	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97000000021	339	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	377	388	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	99280003828	537	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97390010388	569	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97390010389	607	CHESTNUT	DR	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97390010390	631	CHESTNUT	DR	SW			yes	state road only		yes	yes							5,700
FLOYD	6053	114	CHESTNUT	SPRINGS	RD	NW	state road only	yes	state road only		yes	yes				yes			
FLOYD	6914	125	CHESTNUT	SPRINGS	RD	NW	state road only	yes	state road only		yes	yes				yes			
FLOYD	8403	141	CHESTNUT	SPRINGS	RD	NW	state road only	yes	state road only		yes	yes				yes			
FLOYD	2109	155	CHESTNUT	SPRINGS	RD	NW	state road only	yes	state road only		yes	yes				yes			
FLOYD	2109	155	CHESTNUT	SPRINGS	RD	NW	state road only	yes	state road only		yes	yes				yes			1,400
		120	CONNERS	TR	NE		state road only	yes	state road only		yes	yes				yes			1,000
		140	CONNERS	TR	NE		state road only	yes	state road only		yes	yes				yes			
		180	CONNERS	TR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1868	126	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1866	128	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390010443	130	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1867	138	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1869	140	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	6269	184	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1871	186	CONNIES	LN	SE		state road only	yes	state road only		yes	yes				yes			1,500
FLOYD	2367	229	COOKIE	RD	NE			yes			yes	yes	yes			yes			1,200
FLOYD	5352	233	COPPER	VALLEY	RD	NW		yes	state road only		yes	yes	yes						6,580
		233	COPPER	VALLEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	97390010444	321	COPPER	VALLEY	RD	NW		yes	state road only		yes	yes	yes						
		321	COPPER [1]	VALLEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	99260002348	325	COPPER	VALLEY	RD	NW		yes			yes	yes	yes						
FLOYD	97390010445	537	COPPER	VALLEY	RD	NW		yes	state road only		yes	yes	yes						
		537	COPPER	VALLEY	RD	NW		yes	state road only		yes	yes	yes						6,580
MEADOWS OF DAN	257	123	CROSS	CREEK	RD	SW		yes	state road only		yes	yes					yes		
MEADOWS OF DAN	256	163	CROSS	CREEK	RD	SW		yes	state road only		yes	yes					yes		
MEADOWS OF DAN	6230	201	CROSS	CREEK	RD	SW		yes	state road only		yes	yes					yes		
MEADOWS OF DAN	255	219	CROSS	CREEK	RD	SW		yes	state road only		yes	yes					yes		
MEADOWS OF DAN	254	227	CROSS	CREEK	RD	SW		yes	state road only		yes	yes					yes		7,000

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FLOYD	7270	177	DARK	HOLLOW	RD	SE		yes			yes	yes							
FLOYD	99250000012	239	DARK	HOLLOW	RD	SE		yes			yes	yes							
FLOYD	4074	241	DARK	HOLLOW	RD	SE		yes			yes	yes							3,800
WILLIS	8042	110	DOTS	LN	SW		state road only	yes			yes	yes							1,000
		1212	EAGLE	VIEW	DR			yes			yes	yes	yes						5,800
		1309	EAGLE	VIEW	DR			yes			yes	yes	yes						
		1313	EAGLE	VIEW	DR			yes			yes	yes	yes						
		1355	EAGLE	VIEW	DR			yes			yes	yes	yes						
		1370	EAGLE	VIEW	DR			yes			yes	yes	yes						
		1442	EAGLE	VIEW	DR			yes			yes	yes	yes						
CHECK	5935	140	ELDER	FARM	RD	NE	state road only	yes	state road only		yes	yes	yes			yes		5/0.768	
CHECK	3118	222	ELDER	FARM	RD	NE	state road only	yes	state road only		yes	yes	yes			yes		5/0.768	
CHECK	97390010545	231	ELDER	FARM	RD	NE	state road only	yes	state road only		yes	yes	yes			yes		5/0.768	
CHECK	3117	237	ELDER	FARM	RD	NE	state road only	yes	state road only		yes	yes	yes			yes		5/0.768	9,000
WILLIS	4673	173	EVERGREEN	LN	NW		state road only	yes			yes	yes							
WILLIS	6355	177	EVERGREEN	LN	NW		state road only	yes			yes	yes							
WILLIS		197	EVERGREEN	LN	NW		state road only	yes			yes	yes							2,500
		195	FAMILY	FARM	LN	NE	state road only				yes	yes	yes			yes		yes	
		231	FAMILY	FARM	LN	NE	state road only				yes	yes	yes			yes		yes	
		251	FAMILY	FARM	LN	NE	state road only				yes	yes	yes			yes		yes	
		284	FAMILY	FARM	LN	NE	state road only				yes	yes	yes			yes		yes	2,300
		293	FAMILY	FARM	LN	NE	state road only				yes	yes	yes			yes		yes	
FLOYD	99280001183	303	FAYNE	MTN	RD	NW	state road only	yes	state road only		yes	yes	yes						8,300
FLOYD	176	313	FAYNE	MTN	RD	NW	state road only	yes	state road only		yes	yes	yes						
FLOYD	99280001181	320	FAYNE	MTN	RD	NW	state road only	yes	state road only		yes	yes	yes						
FLOYD	97390010558	1020	FAYNE	MTN	RD	NW	state road only	yes	state road only		yes	yes	yes						
PILOT	3471	220	FERN	LN	NE			yes			yes	yes	yes						1,400
		117	FOGGY	BOTTOM	RD		state road only	yes			yes	yes				yes			
		184	FOGGY	BOTTOM	RD		state road only	yes			yes	yes				yes			4,500
		186	FOGGY	BOTTOM	RD		state road only	yes			yes	yes				yes			
		207	FOGGY	BOTTOM	RD		state road only	yes			yes	yes				yes			
		252	FOGGY	BOTTOM	RD		state road only	yes			yes	yes				yes			
		279	FOUR	WHEEL	DR			yes	state road only		yes	yes				yes			
		295	FOUR	WHEEL	DR			yes	state road only		yes	yes				yes			
		316	FOUR	WHEEL	DR			yes	state road only		yes	yes				yes			2,600
		111	FOX	TROT	DR			yes			yes	yes							
		114	FOX	TROT	DR			yes			yes	yes							
		134	FOX	TROT	DR			yes			yes	yes							
		154	FOX	TROT	DR			yes			yes	yes							
		199	FOX	TROT	DR			yes			yes	yes							
		225	FOX	TROT	DR			yes			yes	yes							
		279	FOX	TROT	DR			yes			yes	yes							
		350	FOX	TROT	DR			yes			yes	yes							
		396	FOX	TROT	DR			yes			yes	yes							
		413	FOX	TROT	DR			yes			yes	yes							4,100
FLOYD	3944	202	GEORGE	REED	LN	NW		yes	state road only		yes	yes	yes						3,900
FLOYD	99280001456	374	GEORGE	REED	LN	NW	state road only	yes	state road only		yes	yes	yes						
FLOYD	3945	398	GEORGE	REED	LN	NW	state road only	yes	state road only		yes	yes	yes						
		564	GRAHAM	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			8,900
		568	GRAHAM	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			
		570	GRAHAM	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			
		571	GRAHAM	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			

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FLOYD	3510	182	GRAND	VIEW	LN	NE		yes			yes	yes	yes			yes			
FLOYD	99260001556	202	GRAND	VIEW	LN	NE		yes			yes	yes	yes			yes			1,500
FLOYD	97390010808	563	GRANDMAS	PL	NE			yes			yes	yes	yes			yes			
FLOYD	97390010809	568	GRANDMAS	PL	NE			yes			yes	yes	yes			yes			3,000
FLOYD	99280004708	135	GRANTS	LN	NE			yes			yes	yes				yes			
FLOYD	1952	160	GRANTS	LN	NE			yes			yes	yes				yes			
FLOYD	5606	162	GRANTS	LN	NE			yes			yes	yes				yes			
FLOYD	1950	164	GRANTS	LN	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	1837	168	GRANTS	LN	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280001332	186	GRANTS	LN	NE		state road only	yes	state road only		yes	yes				yes			1,400
FLOYD	3174	113	GREENBRIAR	LN	SE			yes	state road only		yes	yes				yes			
FLOYD	3173	199	GREENBRIAR	LN	SE			yes	state road only		yes	yes				yes			1,100
FLOYD	99280004694	129	GREENFIELD	DR	SE														3,000
FLOYD	97390010822	122	GRUBB	LN	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2961	197	GRUBB	LN	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2959	198	GRUBB	LN	NW		state road only	yes	state road only		yes	yes				yes			2,000
FLOYD	97390010823	140	HALCYON	WAY	NE			yes			yes	yes				yes			
FLOYD	5457	142	HALCYON	WAY	NE			yes			yes	yes				yes			
FLOYD	698	199	HALCYON	WAY	NE			yes			yes	yes				yes			
FLOYD	99250000525	226	HALCYON	WAY	NE			yes			yes	yes				yes			
FLOYD	97390010824	246	HALCYON	WAY	NE			yes			yes	yes				yes			
FLOYD	699	250	HALCYON	WAY	NE			yes			yes	yes				yes			2,800
CHECK	6308	135	HARLEY	HOLLOW	LN	NE		yes			yes	yes							
CHECK	3149	155	HARLEY	HOLLOW	LN	NE		yes			yes	yes							
CHECK	7976	175	HARLEY	HOLLOW	LN	NE		yes			yes	yes							1,300
FLOYD	1360	390	HARMONY	WAY	SE			yes			yes	yes				yes			3,500
COPPER HILL	3749	189	HAWTHORNE	LN	SE		state road only	yes	state road only		yes	yes	yes			yes		yes	
COPPER HILL	97390010855	219	HAWTHORNE	LN	SE		state road only				yes	yes	yes			yes		yes	
COPPER HILL	97390010856	260	HAWTHORNE	LN	SE		state road only				yes	yes	yes			yes		yes	5,600
FLOYD	2124	116	HELPING	HANDS	DR	NW		yes			yes	yes				yes			
FLOYD	8502	118	HELPING	HANDS	DR	NW		yes			yes	yes				yes			
FLOYD	98240000618	134	HELPING	HANDS	DR	NW		yes			yes	yes				yes			
FLOYD	99280000780	142	HELPING	HANDS	DR	NW		yes			yes	yes				yes			
FLOYD	2932	144	HELPING	HANDS	DR	NW		yes			yes	yes				yes			1,500
COPPER HILL		162	HICKORY	HOLLOW	LN	SE		yes			yes	yes				yes			1,800
		211	HICKORY	HOLLOW				yes			yes	yes				yes			
MEADOWS OF DAN	97390010868	154	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	99280001561	158	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	5416	197	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	97390010869	240	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	99260002827	286	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	97390010870	350	HICKORY	NUT	DR	SW		yes			yes	yes							
MEADOWS OF DAN	99280005791	358	HICKORY	NUT	DR	SW		yes			yes	yes							5,000
RINER	3820	194	HIGH	HOPES	LN	NW		yes	state road only		yes	yes	yes						700
FLOYD	142	140	HILLTOP	LN	NW			yes			yes	yes	yes			yes			
FLOYD	97390010875	544	HILLTOP	LN	NW			yes	state road only		yes	yes	yes			yes			
FLOYD	141	550	HILLTOP	LN	NW			yes	state road only		yes	yes	yes			yes			
FLOYD	143	555	HILLTOP	LN	NW			yes	state road only		yes	yes	yes			yes			3,800
FLOYD	5977	176	HUCKLEBERRY	CREEK	RD	SE	state road only	yes			yes	yes				yes			
FLOYD	5977	176	HUCKLEBERRY	CREEK	RD	SE	state road only	yes			yes	yes				yes			
FLOYD	97390010888	177	HUCKLEBERRY	CREEK	RD	SE	state road only	yes			yes	yes				yes			
FLOYD	3265	186	HUCKLEBERRY	CREEK	RD	SE	state road only	yes			yes	yes				yes			

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FLOYD	3261	356	HUCKLEBERRY	CREEK	RD	SE	state road only	yes			yes	yes				yes			5,300
MEADOWS OF DAN	99280000221	150	HUCKLEBERRY	TRL	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97390010899	177	HUCKLEBERRY	TRL	SW			yes	state road only		yes	yes							
MEADOWS OF DAN	97390010900	257	HUCKLEBERRY	TRL	SW			yes	state road only		yes	yes							2,200
FLOYD	99260001498	288	HUNTERS	TRL	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280001621	291	HUNTERS	TRL	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99260002512	337	HUNTERS	TRL	SE		state road only	yes	state road only		yes	yes				yes			
FLOYD	5733	347	HUNTERS	TRL	SE		state road only	yes	state road only		yes	yes				yes			5,000
WILLIS	8151	199	KATHERINES	LN	SW		state road only	yes			yes	yes							1,300
FLOYD	99280002099	112	KRIS	LN	SE		state road only	yes			yes	yes				yes			
FLOYD	99280003511	114	KRIS	LN	SE		state road only	yes			yes	yes				yes			1,100
FLOYD	6067	147	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							
FLOYD	2825	167	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							
FLOYD	99260000230	168	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							
FLOYD	2823	218	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							
FLOYD	2822	222	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							
FLOYD	2824	224	LABRADOR	LN	NE		state road only	yes	state road only		yes	yes							5,200
FLOYD	99280004270	117	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280002430	129	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280000050	131	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	99280000129	142	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	8016	149	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390010980	160	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390010981	163	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	6139	165	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	2348	166	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	7502	167	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			
FLOYD	7227	168	LANCE	DR	NE		state road only	yes	state road only		yes	yes				yes			1,600
FLOYD	99280005692	105	LAUREL	HEATHER	PASS	SW													
FLOYD	5915	129	LAUREL	HEATHER	PASS	SW	state road only	yes	state road only		yes	yes							
FLOYD	562	173	LAUREL	HEATHER	PASS	SW	state road only	yes	state road only		yes	yes							3,000
WILLIS	7259	101	LIGHT	OF	FREEDOM WAY		state road only	yes	state road only		yes	yes							
WILLIS	99280003775	106	LIGHT	OF	FREEDOM WAY		state road only	yes	state road only		yes	yes							
WILLIS	5968	231	LIGHT	OF	FREEDOM WAY		state road only	yes	state road only		yes	yes							
WILLIS	5968	231	LIGHT	OF	FREEDOM WAY		state road only	yes	state road only		yes	yes							
WILLIS	97390011006	233	LIGHT	OF	FREEDOM WAY		state road only	yes	state road only		yes	yes							3,000
WILLIS	97390011024	149	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	99280001706	199	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	97390011025	212	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	1075	313	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	1076	417	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	97390011026	475	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	97390011027	562	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	97390011028	631	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						
WILLIS	1074	670	LOTHLORIEN	DR	NW		state road only	yes			yes	yes	yes						4,800
WILLIS	2742	160	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99280001714	162	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99280001715	170	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99450001591	172	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99280001716	190	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99450001592	192	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99450001593	196	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			

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WILLIS	99250000664	206	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	98240000708	210	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	7930	220	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	98240000709	230	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	98240000710	240	LUKES	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			2,900
FLOYD	97390011038	231	MAJESTIC	VIEW	LN	NW	state road only	yes	state road only		yes	yes	yes						
FLOYD	7387	410	MAJESTIC	VIEW	LN	NW	state road only	yes	state road only		yes	yes	yes						4,700
WILLIS	2584	159	MAPLE	LN	NW		state road only	yes	state road only		yes	yes	yes						
WILLIS	99450001641	194	MAPLE	LN	NW		state road only	yes	state road only		yes	yes	yes						1,300
CHECK	760	109	MAPLE	SPRINGS	DR	SE	state road only	yes	state road only		yes	yes				yes		yes	
CHECK	99280002331	112	MAPLE	SPRINGS	DR	SE	state road only	yes	state road only		yes	yes	yes			yes		yes	
CHECK	759	115	MAPLE	SPRINGS	DR	SE	state road only	yes	state road only		yes	yes	yes			yes		yes	1,200
FLOYD	721	220	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
FLOYD	99280001639	228	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			3,000
		230	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		234	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		236	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		297	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		299	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		301	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		303	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		305	MAPLE	VIEW	LN	NE		yes			yes	yes				yes			
		207	MARSHALL	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			2,000
CHECK	6252	250	MARTIN	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			
CHECK	3106	303	MARTIN	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			
CHECK	3105	401	MARTIN	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			
CHECK	3104	403	MARTIN	LN	NE		state road only	yes	state road only		yes	yes	yes			yes			3,300
FLOYD	99280001655	113	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	8222	115	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	1909	117	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	8195	117	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	5467	119	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	99280001960	120	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	97390011044	122	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	97390011045	123	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	1907	125	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	7967	127	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	99280001656	131	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			
FLOYD	1906	133	MCCRAYS	CT	SE		state road only	yes			yes	yes				yes			1,500
RINER	98240000680	249	MILKY	WAY	NW			yes			yes	yes	yes						
RINER	99280005222	253	MILKY	WAY	NW			yes			yes	yes	yes						
RINER	98240000681	257	MILKY	WAY	NW			yes			yes	yes	yes						
RINER	99280003668	259	MILKY	WAY	NW			yes			yes	yes	yes						
RINER	6348	261	MILKY	WAY	NW			yes			yes	yes	yes						
RINER	8287	272	MILKY	WAY	NW			yes			yes	yes	yes						1,400
FLOYD	3560	186	MINI	FARMS	RD	SE		yes	state road only		yes	yes							
FLOYD	98240000686	330	MINI	FARMS	RD	SE		yes	state road only		yes	yes							
FLOYD	5974	352	MINI	FARMS	RD	SE		yes	state road only		yes	yes							
FLOYD	3561	372	MINI	FARMS	RD	SE		yes	state road only		yes	yes							4,700
		271	MORGAN	DR	SE		state road only	yes	state road only		yes	yes				yes			
		364	MORGAN	DR	SE		state road only	yes	state road only		yes	yes				yes			
		384	MORGAN	DR	SE		state road only	yes	state road only		yes	yes				yes			

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		530	MORGAN	DR	SE		state road only	yes	state road only		yes	yes				yes			
		550	MORGAN	DR	SE		state road only	yes	state road only		yes	yes				yes			7,000
FLOYD	99280005975	103	MOUNTAIN	HORSE	WAY	SE		yes			yes	yes				yes			
FLOYD	99280005974	108	MOUNTAIN	HORSE	WAY	SE		yes			yes	yes				yes			
FLOYD	98240002507	112	MOUNTAIN	HORSE	WAY	SE		yes			yes	yes				yes			1,900
FLOYD	99280001144	115	MOUNTAIN	VIEW	LN	NE		yes	state road only		yes	yes	yes			yes			
FLOYD	6468	133	MOUNTAIN	VIEW	LN	NE		yes	state road only		yes	yes	yes			yes			800
WILLIS	488	157	MT	HEBRON	RD	SW		yes	Yes, ADSL 50/10		yes	yes				yes			1,000
COPPER HILL	5959	123	NEW	HOLLAND	LN	SE													
COPPER HILL	8400	127	NEW	HOLLAND	LN	SE													
COPPER HILL	99260000554	139	NEW	HOLLAND	LN	SE													
COPPER HILL	985	167	NEW	HOLLAND	LN	SE													1,000
FLOYD	3941	110	NOAH	DULANEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	3942	111	NOAH	DULANEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	97390011137	118	NOAH	DULANEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	3940	173	NOAH	DULANEY	RD	NW		yes	state road only		yes	yes	yes						
FLOYD	3939	174	NOAH	DULANEY	RD	NW		yes	state road only		yes	yes	yes						1,600
FLOYD	97390011138	157	NURSERY	LN	NW						yes	yes							
FLOYD	97390011139	161	NURSERY	LN	NW						yes	yes							
FLOYD	2350	194	NURSERY	LN	NW			yes			yes	yes							
FLOYD	2350	194	NURSERY	LN	NW			yes			yes	yes							1,750
FLOYD	5904	290	OAK	HILL	FARM	RD	state road only	yes			yes	yes				yes			2,500
FLOYD	8243	109	OAKWOOD	DR	NE		state road only	yes	Yes, ADSL 50/10		yes	yes	yes			yes			
FLOYD	8259	112	OAKWOOD	DR	NE		state road only	yes	Yes, ADSL 50/11		yes	yes	yes			yes			
FLOYD	99280003280	126	OAKWOOD	DR	NE		state road only	yes	Yes, ADSL 50/12		yes	yes	yes			yes			
FLOYD	99280002396	135	OAKWOOD	DR	NE		state road only	yes	Yes, ADSL 50/13		yes	yes	yes			yes			700
COPPER HILL	99550076699	199	OASIS	ACRES	LN	NE	state road only		state road only		yes	yes	yes			yes		yes	1,100
FLOYD	98950000010	101	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			
FLOYD	97390011147	105	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			
FLOYD	99280005311	109	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			
FLOYD	1716	115	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			
FLOYD	99280001534	119	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			
FLOYD	6427	121	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			2,310
FLOYD	97390011148	229	OLD	HENSLEY	RD	SW	state road only	yes	state road only		yes	yes				yes			2,310
COPPER HILL	5613	146	ORCHARD	LN	SE		state road only	yes	state road only		yes	yes	yes			yes		yes	
COPPER HILL	97390011149	220	ORCHARD	LN	SE		state road only	yes	state road only		yes	yes	yes			yes		yes	
COPPER HILL	6229	227	ORCHARD	LN	SE		state road only	yes	state road only		yes	yes	yes			yes		yes	
COPPER HILL	938	270	ORCHARD	LN	SE		state road only	yes	state road only		yes	yes	yes			yes		yes	2,200
COPPER HILL	99280001709	158	OVERLOOK	RIDGE	DR	SE					yes	yes	yes			yes		yes	4,100
FLOYD	3293	100	PANTHER	DR	SE			yes	state road only		yes	yes							
FLOYD	97390011150	164	PANTHER	DR	SE			yes	state road only		yes	yes							
FLOYD	99260000298	202	PANTHER	DR	SE			yes	state road only		yes	yes							
FLOYD	3294	326	PANTHER	DR	SE			yes	state road only		yes	yes							4,000
COPPER HILL	97390011160	9013	PARKWAY	DR	SE		state road only			yes	yes	yes	yes			yes		5/0.768	1,500
FLOYD	4009	143	PINE	CREEK	WAY	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	1793	145	PINE	CREEK	WAY	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	4007	171	PINE	CREEK	WAY	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	5949	211	PINE	CREEK	WAY	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	99280003253	213	PINE	CREEK	WAY	SE	state road only	yes	state road only		yes	yes				yes			3,500
		144	PINE	LN	SW			yes	state road only		yes	yes							1,300
		170	PINE	LN	SW			yes	state road only		yes	yes							
Meadows of Dan		190	PINE	LN	SW			yes	state road only		yes	yes							

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FLOYD	4122	170	PINE	MTN	RD	NE		yes	state road only		yes	yes	yes			yes			
FLOYD	4123	172	PINE	MTN	RD	NE		yes	state road only		yes	yes	yes			yes			
FLOYD	6670	183	PINE	MTN	RD	NE		yes	state road only		yes	yes	yes			yes			2,600
CHECK	99280001097	151	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/10		yes	yes				yes		yes	
CHECK	97390011178	155	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/11		yes	yes				yes		yes	
CHECK	99280001115	163	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/12		yes	yes				yes		yes	
CHECK	99280004403	169	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/13		yes	yes				yes		yes	
CHECK	7532	175	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/14		yes	yes				yes		yes	
CHECK	840	179	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/15		yes	yes				yes		yes	
CHECK	841	183	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/16		yes	yes				yes		yes	
CHECK	5557	184	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/17		yes	yes				yes		yes	
CHECK	99280001116	187	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/18		yes	yes				yes		yes	
CHECK	99250000475	189	PINE	NEEDLE	LN	NE	state road only	yes	Yes, ADSL 50/19		yes	yes				yes		yes	2,500
COPPER HILL	99260001963	119	PINE	SPRINGS	DR	SE													
COPPER HILL	99260001964	171	PINE	SPRINGS	DR	SE													
COPPER HILL	99280003743	190	PINE	SPRINGS	DR	SE													1,250
CHECK	99280001093	115	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/10		yes	yes				yes		yes	
CHECK	99280001094	118	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/11		yes	yes				yes		yes	
CHECK	847	125	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/12		yes	yes				yes		yes	
CHECK	848	128	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/13		yes	yes				yes		yes	
CHECK	846	130	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/14		yes	yes				yes		yes	
CHECK	849	133	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/15		yes	yes				yes		yes	
CHECK	845	147	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/16		yes	yes				yes		yes	
CHECK	99280001095	159	PINE	SPUR	LN	NE	state road only	yes	Yes, ADSL 50/17		yes	yes				yes		yes	1,500
		130	PINEY	WOODS	LN		state road only	yes	Yes, ADSL 50/18		yes	yes				yes			
		150	PINEY	WOODS	LN		state road only	yes	Yes, ADSL 50/19		yes	yes				yes			1,100
Willis		155	PINEY	WOODS	LN		state road only	yes	Yes, ADSL 50/20		yes	yes				yes			
COPPER HILL	97390011186	223	POFF	RD	SE			yes			yes	yes				yes			
COPPER HILL	97390011187	304	POFF	RD	SE			yes			yes	yes				yes			
COPPER HILL	5549	305	POFF	RD	SE			yes			yes	yes				yes			5,500
FLOYD	3952	166	PRIVATE	DR	NW		state road only	yes	Yes, ADSL 50/10		yes	yes	yes						
FLOYD	3984	183	PRIVATE	DR	NW		state road only	yes	Yes, ADSL 50/11		yes	yes				yes			
FLOYD	3953	184	PRIVATE	DR	NW		state road only	yes	Yes, ADSL 50/12		yes	yes	yes						4,100
FLOYD	99250000746	105	PSA	RD	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390011200	119	PSA	RD	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2154	137	PSA	RD	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	2152	169	PSA	RD	NW		state road only	yes	state road only		yes	yes				yes			
FLOYD	97390011201	172	PSA	RD	NW		state road only	yes	state road only		yes	yes				yes			1,000
		445	PULASKI	RD	NW		state road only	yes			yes	yes	yes			yes			1,600
FLOYD	2278	153	QBERRY	LN	NW			yes	state road only		yes	yes	yes						
FLOYD	99260002736	207	QBERRY	LN	NW			yes	state road only		yes	yes	yes						
FLOYD	99280004692	267	QBERRY	LN	NW			yes	state road only		yes	yes	yes						5,700
FLOYD	99280001017	106	RADFORD	CIR	SE			yes			yes	yes				yes			
FLOYD	99280001018	114	RADFORD	CIR	SE			yes			yes	yes				yes			
FLOYD	1856	117	RADFORD	CIR	SE			yes			yes	yes				yes			
FLOYD	97390011205	167	RADFORD	CIR	SE			yes			yes	yes							
FLOYD	1886	168	RADFORD	CIR	SE			yes			yes	yes							1,500
FLOYD	99260000961	402	RAIN	DANCE	RD	NE		yes			yes	yes				yes			
FLOYD	99250000483	404	RAIN	DANCE	RD	NE		yes			yes	yes				yes			
FLOYD	99280003596	471	RAIN	DANCE	RD	NE		yes			yes	yes				yes			
FLOYD	8335	477	RAIN	DANCE	RD	NE		yes			yes	yes				yes			5,850
FLOYD	6467	129	RANDOLPH	LN	NE			yes			yes	yes				yes			

CITY_NAME	SRV_ADDR_ID	ADDRESS					Citizens fiber-- 1000 MB/500; if to state road only;, then not to private drive	Citizens ADSL 10/1.5	Citizens ADSL 50/10--to state road only; not private drive	Citizens 1.5/0. 768	Satellite 100/3 or less (Viasat-up to 100/3; Hughes up to 25/3; VSAT up to 2/1.7)	TDS 2/1.3-1.9	VA Everywhere LLC Fixed Wireless 15/3	Fastlink Comm	Century Link ADSL 10/1	T-Mobile Fixed Wireless 25/3	Lumen Tech ADSL--10/1 and/or 3/0.5	Verizon ADSL 3/0.768	linear feet
FLOYD	97390011207	131	RANDOLPH	LN	NE			yes			yes	yes				yes			
FLOYD	1951	133	RANDOLPH	LN	NE			yes			yes	yes				yes			
FLOYD	5671	149	RANDOLPH	LN	NE		state road only	yes	state road only		yes	yes				yes			900
WILLIS	333	143	RED	ROOF	LN	SW	state road only	yes			yes	yes							
WILLIS	99260001328	289	RED	ROOF	LN	SW	state road only	yes			yes	yes							
WILLIS	97390011213	291	RED	ROOF	LN	SW	state road only	yes			yes	yes							
WILLIS	99260002437	370	RED	ROOF	LN	SW	state road only	yes			yes	yes							
WILLIS	97390011214	373	RED	ROOF	LN	SW	state road only	yes			yes	yes							4,300
RINER	99280004288	108	RIVER	LN	NW			yes	state road only		yes	yes	yes						
RINER	7411	148	RIVER	LN	NW			yes	state road only		yes	yes	yes						
RINER	3800	150	RIVER	LN	NW			yes	state road only		yes	yes	yes						3,150
FLOYD	4921	110	ROBERTS	LN	SE			yes	state road only		yes	yes				yes			
FLOYD	4922	136	ROBERTS	LN	SE			yes	state road only		yes	yes				yes			
FLOYD	4923	137	ROBERTS	LN	SE			yes	state road only		yes	yes				yes			
FLOYD	4924	148	ROBERTS	LN	SE			yes	state road only		yes	yes				yes			1,350
WILLIS	295	104	ROCKY	TOP	LN	SW		yes	state road only		yes	yes							
WILLIS	5626	161	ROCKY	TOP	LN	SW		yes	state road only		yes	yes							
WILLIS	6454	299	ROCKY	TOP	LN	SW		yes	state road only		yes	yes							
WILLIS	97390011250	372	ROCKY	TOP	LN	SW		yes	state road only		yes	yes							5,500
PILOT	96950000798	116	ROLLING	FORK	LN	NE	state road only	yes	state road only		yes	yes	yes						
PILOT	96950000799	159	ROLLING	FORK	LN	NE	state road only	yes	state road only		yes	yes	yes						700
FLOYD	97390011254	113	RUNNING	CEDAR	RD	NE		yes	state road only		yes	yes				yes			
FLOYD	97390011255	173	RUNNING	CEDAR	RD	NE		yes	state road only		yes	yes				yes			
FLOYD	3243	199	RUNNING	CEDAR	RD	NE		yes	state road only		yes	yes				yes			
FLOYD	99250000721	201	RUNNING	CEDAR	RD	NE		yes	state road only		yes	yes				yes			5,000
		301	RUSSELL	RD	SE		state road only	yes	state road only		yes	yes							
		505	RUSSELL	RD	SE		state road only	yes	state road only		yes	yes							6,200
FLOYD		508	RUSSELL	RD	SE		state road only	yes	state road only		yes	yes	yes			yes			
RINER	5620	165	SCAGGS	CREEK	TRL	NE		yes			yes	yes	yes						
RINER	4187	221	SCAGGS	CREEK	TRL	NE		yes	state road only		yes	yes	yes						2,080
CHECK	3121	175	SCHOOL	HOUSE	LN	NE	state road only	yes	state road only		yes	yes	yes						
CHECK	3120	181	SCHOOL	HOUSE	LN	NE		yes	state road only		yes	yes	yes			yes			
CHECK	3119	185	SCHOOL	HOUSE	LN	NE		yes			yes	yes	yes						
CHECK	5862	209	SCHOOL	HOUSE	LN	NE	state road only	yes			yes	yes	yes						6,000
PILOT	97390011266	264	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011267	308	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	3686	334	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011268	338	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011269	372	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011270	382	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011271	392	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			
PILOT	97390011272	398	SERENITY	DR	NE		state road only	yes			yes	yes	yes			yes			5,100
FLOYD	1681	108	SHELTONS	PARK	DR	SE		yes			yes	yes				yes			
FLOYD	1683	113	SHELTONS	PARK	DR	SE		yes			yes	yes				yes			
FLOYD	1682	114	SHELTONS	PARK	DR	SE		yes			yes	yes				yes			
FLOYD	97390011292	120	SHELTONS	PARK	DR	SE		yes			yes	yes				yes			
FLOYD	97390011293	124	SHELTONS	PARK	DR	SE		yes			yes	yes				yes			1,200
		9135	SINER	RD	NE		state road only		state road only	3.0/.768	yes	yes	yes			yes		yes	2,600
		9137	SINER	RD	NE		state road only		state road only	3.0/.768	yes	yes	yes			yes		yes	
Copper Hill		9219	SINER	RD	NE		state road only				yes	yes	yes			yes			
Meadows of Dan		113	SLATEMONT	RD	SW			yes	state road only		yes	yes							
		149	SLATEMONT	RD	SW			yes	state road only		yes	yes							

CITY_NAME	SRV_ADDR_ID	ADDRESS					Citizens fiber-- 1000 MB/500; if to state road only.; then not to private drive	Citizens ADSL 10/1.5	Citizens ADSL 50/10--to state road only; not private drive	Citizens 1.5/0. 768	Satellite 100/3 or less (Viasat-up to 100/3; Hughes up to 25/3; VSAT up to 2/1.7)	TDS 2/1.3-1.9	VA Everywhere LLC Fixed Wireless 15/3	Fastlink Comm	Century Link ADSL 10/1	T-Mobile Fixed Wireless 25/3	Lumen Tech ADSL--10/1 and/or 3/0.5	Verizon ADSL 3/0.768	linear feet
		151	SLATEMONT	RD	SW			yes	state road only		yes	yes							
		191	SLATEMONT	RD	SW			yes	state road only		yes	yes							
		194	SLATEMONT	RD	SW			yes	state road only		yes	yes							
Meadows of Dan		209	SLATEMONT	RD	SW			yes	state road only		yes	yes							2,650
CHECK	4381	183	SMITH	FARM	RD	NE		yes	state road only		yes	yes							
CHECK	4379	213	SMITH	FARM	RD	NE		yes	state road only		yes	yes							1,550
FLOYD	98240000355	125	SOAPSTONE [2]	RIDGE	RD	SE		yes	state road only		yes	yes				yes			
FLOYD	4956	143	SOAPSTONE	RIDGE	RD	SE		yes	state road only		yes	yes				yes			
FLOYD	4971	145	SOAPSTONE	RIDGE	RD	SE		yes	state road only		yes	yes				yes			
FLOYD	4969	147	SOAPSTONE	RIDGE	RD	SE		yes	state road only		yes	yes				yes			
FLOYD	4955	149	SOAPSTONE	RIDGE	RD	SE		yes	state road only		yes	yes				yes			
FLOYD	4974	166	SOAPSTONE	RIDGE	RD	SE		yes	state road only		yes	yes				yes			2,000
WILLIS	99450001684	177	STAR	LN	NW		state road only	yes	state road only		yes	yes	yes			yes			
WILLIS	99450001685	222	STAR	LN	NW			yes			yes	yes	yes						
WILLIS	99280004206	256	STAR	LN	NW			yes			yes	yes	yes						1,300
FLOYD	5540	144	STONE [3]	MTN	RD	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	97390011338	150	STONE	MTN	RD	SE	state road only	yes	state road only		yes	yes				yes			
FLOYD	97390011339	188	STONE	MTN	RD	SE	state road only	yes	state road only		yes	yes				yes			1,400
FLOYD	97390011363	117	TANNIES	TRL	SE			yes			yes	yes							
FLOYD	6892	137	TANNIES	TRL	SE			yes			yes	yes							
FLOYD	3597	320	TANNIES	TRL	SE			yes			yes	yes							4,100
FLOYD	7974	125	TEARDROP	LN	SE														1,400
WILLIS	98950162832	102	TESSAR	DR	NW			yes	Yes, ADSL 50/10		yes	yes				yes			
WILLIS	98950162833	137	TESSAR	DR	NW			yes	Yes, ADSL 50/11		yes	yes				yes			
WILLIS	98950162834	165	TESSAR	DR	NW			yes	Yes, ADSL 50/12		yes	yes				yes			1,500
WILLIS	99260001297	217	TIMBER [4]	RIDGE	RD	NW	state road only	yes	state road only		yes	yes	yes						1,000
FLOYD	1863	124	TROUBLE	DR	SE			yes			yes	yes				yes			
FLOYD	1875	138	TROUBLE	DR	SE			yes			yes	yes				yes			
FLOYD	99260001384	143	TROUBLE	DR	SE			yes			yes	yes				yes			1,000
WILLIS	4705	174	TURKEY	HILL	DR	NW	state road only	yes			yes	yes	yes			yes			
WILLIS	4707	184	TURKEY	HILL	DR	NW	state road only	yes			yes	yes	yes			yes			
WILLIS	99280003109	194	TURKEY	HILL	DR	NW	state road only	yes			yes	yes	yes			yes			1,200
FLOYD	5865	150	TWIN	PONDS	DR	SE	state road only	yes			yes	yes				yes			
FLOYD	99260001871	219	TWIN	PONDS	DR	SE	state road only	yes			yes	yes				yes			
FLOYD	99260000652	301	TWIN	PONDS	DR	SE	state road only	yes			yes	yes				yes			
FLOYD	97390011404	325	TWIN	PONDS	DR	SE	state road only	yes			yes	yes				yes			4,000
FLOYD	8444	429	VALLEY	DR	NW			yes			yes	yes				yes			
FLOYD	97390011406	439	VALLEY	DR	NW			yes			yes	yes				yes			
FLOYD	2322	535	VALLEY	DR	NW			yes			yes	yes				yes			
FLOYD	2321	601	VALLEY	DR	NW			yes			yes	yes				yes			
FLOYD	99450001695	290	VANCE	DR	SW		state road only	yes			yes	yes							
FLOYD	99450001696	314	VANCE	DR	SW		state road only	yes			yes	yes							
FLOYD	1557	317	VANCE	DR	SW		state road only	yes			yes	yes							2,000
FLOYD	99280003971	100	VISTA	DR	NW		state road only	yes	state road only		yes	yes	yes						
FLOYD	99280003972	104	VISTA	DR	NW		state road only	yes	state road only		yes	yes	yes						
FLOYD	99280005962	106	VISTA	DR	NW		state road only	yes	state road only		yes	yes	yes						1,200
WILLIS	99280000980	106	WALTON	DR	SW		state road only	yes	Yes, ADSL 50/10		yes	yes				yes			
WILLIS	99280000979	112	WALTON	DR	SW		state road only	yes	Yes, ADSL 50/11		yes	yes				yes			
WILLIS	99280000978	120	WALTON	DR	SW		state road only	yes	Yes, ADSL 50/12		yes	yes				yes			
WILLIS	5181	126	WALTON	DR	SW		state road only	yes	Yes, ADSL 50/13		yes	yes				yes			1,200
FLOYD	99280000279	144	WEST	FORK	LN	NE		yes	state road only		yes	yes	yes			yes			
FLOYD	2312	153	WEST	FORK	LN	NE		yes	state road only		yes	yes	yes			yes			

[illegible]

[1] duplicate

[2] couple on road, several on shared private drive

[3] public road?

[4] there are 3 other addresses past state road (Timber Ridge Rd)

Do they already have service? Do we need to give this share driveway a 911 name?

[5] off of winery road; may need to name this share private driveway?

2023 Virginia Telecommunication Initiative (VATI)

Passing Form

Type of Passings	Total Number of Passings in the Project Area ¹	Passings in the Project Area, without Special Construction Costs Required ²	Passings with Special Construction Costs budgeted in the Application ³	Number of Passings with Speeds at 25/3 or below in Project Area ⁴
Residential	618		618	618
Businesses (non-home based)	6		6	6
Businesses (home-based)	6		6	6
Community Anchors	0		0	0
Non-residential	1		1	1
Total	631		631	631

Note: The Total Number of Passings **MUST** be equal to the Residential, Business (non-home based), Non-residential and Community Anchors sum.

Note: Do not include passings in RDOF awarded areas that were awarded to the co-applicant; these passings should be included in the RDOF Passings Form. Passings included in this application in RDOF awarded areas that were not awarded to the co-applicant, unless successfully challenged, are considered unserved and should be counted as passings in this form.

¹The total number of structures in the project area that can receive service. See definition of passing below for more detail.

²The number of structures in the project area that will not require special construction costs to provide service to. These passings fall within the broadband provider's standard service connection drop length and do not require nonstandard equipment or any additional fees above normal service connection fees required to provide broadband access to a premise.

³The number of structures in the project area with all construction costs budgeted in the application. These passings will not require any additional special construction costs beyond those budgeted for in the VATI application.

⁴The number of structures in the project area that do not have access to internet at speeds of at least 25 mbps download and 3 mbps upload.

Definitions

Passing – any structure that can receive service. Multi-unit structures may be counted as more than 1 passing, provided individual connections and account are planned at that structure.

Business – An organization or entity that provides goods or services in order to generate profit. Businesses based in residential homes can count if they are a registered business (BPOL, LLC, etc.).

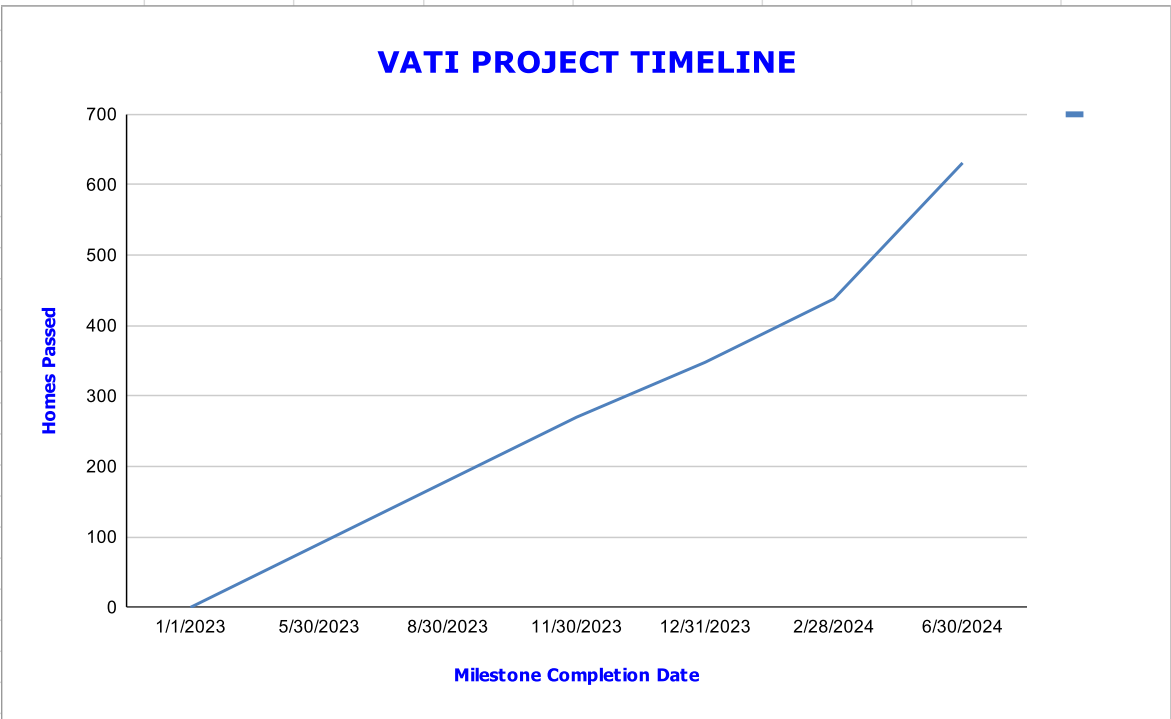
Community Anchor - schools, libraries, medical and health care providers, public safety entities, community colleges and other institutions of higher education, and other community support organizations and agencies that provide outreach, access, equipment, and support services to facilitate greater use of broadband service by vulnerable populations, including low-income, unemployed, and the aged.

Non-Residential Passing – places of worship, federal, state, or local facilities or other potential customers that are neither a residence, business or a community anchor as defined above.

Project Timeline and Management Plan: Prepare a detailed project timeline or construction schedule, identifying specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates.

Assumes Start date of January 2023

Milestones			Deliverables		Anticipated Completion Date	
Construct to customers on Private Roads			45 Customers Installed; 90 Homes Passed		5/30/2023	
Construct to customers on Private Roads			90 Customers Installed; 180 Homes Passed		8/30/2023	
Construct to customers on Private Roads			135 Customers Installed; 270 Homes Passed		11/30/2023	
Construct to customers in Apartment Complex(2)			213 Customers Installed; 348 Homes Passed		12/31/2023	
Construct to customers on Private Roads			258 Customers Installed; 438 Homes Passed		2/28/2024	
Construct to customers on Private Roads			354 Customers Installed; 631 Homes Passed		6/30/2024	
			Citizens	Floyd County		
Apply for VDOT ROW permit, Donna Smith			Donna Smith			
Prepare Construction Package, Donna Smith			Donna Smith			
Prepare Monthly Reports and periodic invoices			Chris Bond			
Review and Submit Monthly and other Reports				Lydeana Martin		
Invoice Review and Payment, Reimbursement requests to DHCD				Kim Chiddo		
Construction Oversight			Donna Smith			
Fiber testing and splicing			Donna Smith			
Project Completion			Donna Smith			
Marketing and Promotion			Lori Saltus			



Milestones

Date	Label		Homes Passed
1/1/2023		Start	0
5/30/2023		Milestone #1	90
8/30/2023		Milestone #2	180
11/30/2023		Milestone #3	270
12/31/2023		Milestone #4	348
2/28/2024		Milestone #5	438
6/30/2024		End	631
Insert new rows above this one			

Attachment 8 MOU

A new agreement would be similar to our MOU for our 2022 VATI application)

Agreement between Citizens Telephone Cooperative and Floyd County Regarding VATI Funding (Universal Coverage of Floyd County)

Revised June 14, 2022

On December 13, 2021 the Virginia Department of Housing and Community Development ("DHCD") announced that it had offered Floyd County (the "Grantee") a total of \$1,310,267 in funding under the Virginia Telecommunication Initiative (VATI) program in response to the joint application of the County and Citizens Telephone Cooperative. Citizens Telephone Cooperative (the "Company") committed \$1,011,725 in matching funds and the Grantee (Floyd County) committed \$100,000 in matching funds. Pursuant to the program guidelines and statutory authority, the primary objective of the VATI is to provide financial assistance to supplement construction costs by private sector broadband providers, in partnership with local units of government to extend service to areas that presently are unserved by any broadband provider.

The grant agreement, between DHCD and the Grantee (the "DHCD Agreement") will impose certain responsibilities on the Grantee in accepting the VATI grant. As anticipated in the joint application for funding submitted by the Grantee and the Company the parties wish to outline the roles of each party now that the grant has been awarded. Accordingly, the parties now hereby agree as follows:

The Company shall perform all work as described in the DHCD Agreement and VATISF #2022-020 Terms and Conditions (both of which are attached hereto and incorporated herein by reference), the submitted application, project management schedule and budget. Specifically, the Company shall complete all Grant Activities described in the DHCD Contract Documents (including but not limited construction of 105 miles of fiber; electronics; and provide broadband services to 723 serviceable units, including 1 business/community anchor on or before December 1, 2023. The Company shall indemnify, defend and hold the Grantee harmless for any failure(s) (a) to complete any Grant Activities described in the DHCD Contract Documents on or before October 1, 2023 and/or (b) to achieve any project Outcomes, as defined in the DHCD Agreement by October 1, 2023, The Company will provide information of subscribers and speed package selected, as well as speed validation data to ensure that the proposed Outcomes have been met and broadband speeds meet VATI criteria. The Company will submit quarterly invoices for payment upon completion of work. No VATI funds shall be distributed unless and until (a) the Company has submitted all requested documents and (b) the Grantee has verified that pre-construction and/or construction work has been completed or equipment has been ordered and received. Reimbursement from the Grantee and DHCD will be based on performance measures. As described in the DHCD Agreement, DHCD shall retain ten percent (10%) of the grant award until all conditions are met.

In their application, the parties estimated that 723 serviceable units will have access to the required broadband speeds. The Grantee and the Company will exercise due diligence and best efforts on community outreach and marketing the availability of service, which is the intent of the program. The parties understand, however, that the actual number of customers who choose to subscribe is beyond the parties' control.

The Company shall provide the Grantee with broadband service and coverage data and information ("Service Territory Data") in the time and formats established by DHCD in its Internet Service Provider Service Territory Data Submission Guidelines ("Data Submission Guidelines") pursuant to Section P of Item 114 of Chapter 552, 2021 Acts of Assembly, 2021 Special Session I ("Budget Amendment"). The Grantee will assure the DHCD receives the information. Service Territory Data shall be submitted through the Broadband Provider Data Submission Portal for the Commonwealth of Virginia established by DHCD to securely accept such data.

The Grantee and the Company agree to recognize DHCD's support in their efforts to expand broadband in all project related communication with the media and its marketing publications. The following statement is

Notwithstanding the effective date of the DHCD Agreement (June 1, 2022), budgeted administrative expenses, including soft costs and materials incurred prior to this date have been approved for reimbursement by DHCD. The effective date of this authorization is February 3, 2022.

Floyd County

By: Linda Millsaps

Linda Millsaps, PhD, County Administrator

Date: 6/14/22

Citizens Telephone Cooperative

By: Greg Sapp

Greg Sapp, CEO

Date: 6-14-2022

VATI FUNDING SOURCES TABLE

Please fill in the chart below with a description of the project funding source (local, federal, state, private, other), the amount from that source, the percentage of total project funding that source represents, and a description of the current status of the funds (pending, secured, etc.).

Source	Amount	%	Status
REQUESTED VATI	\$ 1,557,616	62	Pending
Citizens Telephone	\$ 958,865	38	COMMITTED
	\$		
	\$		
	\$		
	\$		
	\$		
TOTAL	\$2,516,481	100 %	

Attachment 10

Documentation of Match and Leverage

Citizens Telephone Cooperative

Floyd County



August 18, 2022

Tamarah Holmes, Ph.D
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste 300
Richmond, VA 23219

Dear Dr. Holmes:

We are excited to work with Floyd County on this application which would allow us to reach the deepest pockets of houses and businesses in Floyd County by extending fiber down 115 private roads. We also propose to extend fiber into Blue Ridge and Pine Ridge (low income) apartments in Floyd, which would help households with the greatest need. In total, if this project is funded, 631 households and businesses would gain affordable access to 1,000 Mbps download and 500 Mbps upload.

In this application with Floyd County, we are requesting \$1,557,616 in VATI grant funds to pay for construction along those private roads and for extending fiber into the 78 apartments at Pine Ridge and Blue Ridge apartments. Citizens participated in the ACP program for low-income adult households, and if this project is funded, many more people could benefit from those offers.

Citizens Telephone Cooperative will provide \$958,865 in matching funds, including paying for all materials plus customer premises' equipment and installation. Not included in this number is the planning and administrative work by Citizens.

Floyd County is providing leverage for this project through staff support for grant administration, and their EDA will provide wrap-around business support for people wanting to start home-based businesses, including free training, low-interest loan programs, peer-to-peer support, etc.

This grant would literally cast an economic and educational lifeline to people who live on a long, shared private drive off a state-maintained road. If awarded, we will do a MOU with the County similar to the one for last year's VATI grant.

Thank you for your support to date. We hope we can soon say that every public and private road is served with fiber and Gig service.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Gregory Sapp', is written over a blue ink scribble.

J. Gregory Sapp,

CEO and General Manager



August 18, 2022

Tamarah Holmes, Ph.D
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste 300
Richmond, VA 23219

A handwritten signature in blue ink, appearing to read "Tamarah Holmes", is written over a faint, circular official stamp.

Dear Dr. Holmes:

I am writing to confirm the Floyd County Board of Supervisors' strong support for this application.

Citizens Telephone Cooperative began in Floyd County over 100 years ago to ensure that County residents had telephone service equal to or better than urban areas despite our rural nature and low population density. They have continued that work by continuing to advance telecom services over the decades. Thanks to prior VATI funds, by the end of 2023, fiber and Gig service will be extended and available down every mile of every state road in Floyd County. That's over 600 miles!

While that is universal state road coverage, the reality is that there are more than 115 private roads/shared driveways in this rural, mountainous County where more than 631 houses and businesses are located. In this application with Citizens, we are requesting \$1,557,616 in VATI grant fund to pay for construction along those private roads. And to bridge the digital divide for many of the most vulnerable among us, we are also proposing extending fiber into Pine Ridge and Blue Ridge apartments in Floyd (78 "low income" apartments.) Citizens generously provides \$10/month connection rates for all LMI students and half-price service for low-income adult households.

Citizens Telephone Cooperative will provide \$958,865 in matching funds, including paying for all materials plus customer premises' equipment and installation.

Floyd County is providing leverage for this project through staff support for grant administration. Also our Economic Development Authority stands ready to help home-based businesses learn to capitalize on the Gigabyte service through their multiple programs including the Floyd C4 Business Development Series and Challenge, the Floyd Growth Wheel program (a peer-to-peer program), the Floyd 5 & 10 Small Business Loan Program, and other programs. We work hard to



encourage and support entrepreneurship, innovation, and the development and sale of premium products and services, especially online.

We are excited that this grant could bring us to likely be one of the first counties in Virginia to have a complete fiber build, offering affordable 1 GB download and 500MB upload service to residents and businesses, whether they live along a public road or private road.

Thank you for your consideration.

Sincerely,

Floyd County

A handwritten signature in black ink, appearing to read "Kim Chiddo", written over the printed name.

Kim Chiddo,
Deputy County Administrator

Product	Total	VATI	Non-VATI	Source of Estimate	Date
EXAMPLE					
<u>Construction</u>					
200 LF of fiber @\$150/LF	\$30,000	\$15,000	\$15,000	Company A	9/5/2016
Tower	\$100,000	\$80,000	\$20,000	Company B	9/5/2016
Engineering	\$20,000	\$0	\$20,000	ABC Engineering Firm	9/5/2016
Product	Total	VATI	Non-VATI	Source of Estimate	Date
Cost of Fiber = 388,400' @ \$.74 per foot	\$ 287,416	\$ -	\$ 287,416	Telecom Surplus Inv	3/21/22
Cost of Pedistals = 555 @ \$315.99 per ped	\$ 175,374	\$ -	\$ 175,374	AMT Invoice	5/18/22
Cost of Splice Kits = 555 @ \$171.55 per kit	\$ 97,430	\$ -	\$ 97,430	Power & Tel Invoice	6/23/22
Cost of Pedestal Labor = 555 @ \$125 per ped	\$ 69,375	\$ -	\$ 69,375	Whiting Construction	6/21/22
Fiber Activation Fee = \$199 waived to customer (533 premises, estimated 50% take rate)	\$ 53,034	\$ -	\$ 53,034	Sample Invoice	8/10/22
Customer Premise Equipment = \$323.73 ONT (533 premises, 50% take rate)	\$ 86,274	\$ -	\$ 86,274	Calix Invoice	7/6/22
Engineering/Staking Labor Hours = 2 hours @ \$80 (533 premises, 50 % take rate)	\$ 42,640	\$ -	\$ 42,640	Standard Hourly Retail Rate	
Customer Premise Splice/Labor (4 hours; \$80 per hour) (533 premises, 50% take rate)	\$ 85,280	\$ -	\$ 85,280	Standard Hourly Retail Rate	
Customer Premise Materials (\$95.5) (533 premises, 50% take rate)	\$ 25,451	\$ -	\$ 25,451	Power & Tel Invoices; Applied Fiber Invoice	Various
Construction Labor = 388,400' @ \$3.74 per foot	\$ 1,452,616	\$ 1,452,616	\$ -		
Apartment Complexs - Labor Installation	\$ 105,000	\$ 105,000			
Apartment Complexs - Splice/Installation/Materials/Customer Premise Equipment (78 Apartments; 50% Take Rate)	\$ 36,591	\$ -	\$ 36,591		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ 2,516,481	\$ 1,557,616	\$ 958,865		

Invoices Supporting Cost Estimates

20384

Invoice



Telecom Surplus Resources, Inc.
DBA TSR ComSupply
2635 S. Santa Fe Dr. Suite 3H
Denver, CO 80223
Phone # 303-399-6543

Date	Invoice #
3/21/2022	14144

Bill To
Citizens Telephone Cooperative (BTOP) PO Box 137 Floyd, VA 24091

Ship To
Citizens Telephone Cooperative (BTOP) 220 Webbs Mill Rd. Floyd, VA 24091 USA Russell 540-230-7905

		P.O. No.	Terms	Due Date	Ship Via	Rep
		20384	Net 30	4/20/2022		GHR
Item	Description	Qty	Rate	Amount		
048 Fiber LT SASJ	Teldor 48 strand OSP fiber cable. Loose Tube, Single Armor, Single Jacket. Corning SMF-28E+ Glass, dry tubes Catalog # F904804M6B Part number DRC-9-04X12-D-ZRP-D BK Reel ID Length FT CB8003 19,834 CB8007 19,926	39,760	0.54	21,470.40T		
Freight	Freight LTL freight Total sales tax AvaTax	1	795.00 1,137.93	795.00 1,137.93		
			\$.59 estimated 25% increase \$.74			
				Total	\$23,403.33	
All invoices are due in 30 days unless otherwise noted. This invoice may be subject to an additional 1.5% per month late charge if not paid on time. All paypal and credit card payments are subject to a 3% convenience charge. We appreciate your business and we look forward to working with you again.				Payments/Credits	\$0.00	
				Balance Due	\$23,403.33	



20411

INVOICE

Page: 1

Advanced Media Technologies, Inc.
An Itochu Company
3150 SW 15th Street
Deerfield Beach, FL 33442
USA
Phone: 954-427-5711
Fax: 954-427-9688
Toll Free: 888-293-5856

INVOICE NUMBER: INV01184830
INVOICE DATE: 5/18/2022
ORDER NUMBER: SO00749448
ORDER DATE: 2/1/2022
SALESPERSON: Scott Shreve
CUSTOMER NO.: CUST004856

SOLD TO:

Citizens Cablevision, Inc (VA)
Frankie Turpin
220 Webbs Mill Road North
PO Box 196
Floyd, VA 24091
USA

SHIP TO: 1

Citizens Telephone Cooperative
Jerry Sutphin
220 Webbs Mill Road North
Floyd, VA 24091
USA

CUSTOMER P.O.	Ship Via	Shipping Terms	Terms
20411	ODFL FREIGHT	FOB-SP	NET DUE 30 DAYS

REQ.	SHIP	B/O	ITEM NO.	Special Order	UOM	Description	WHSE	PRICE (USD)	Amount
300	54	194	OP12126C1B1L01A08	<input checked="" type="checkbox"/>	EA	12X12X32 UPRIGHT PEDESTAL NYLON	MAIN	222.00	11,988.00

External Tracking No.: 220414870
28703155011

*Redistal
= 252.79
estimated 25% move
\$315.99*

Please Remit To:

Advanced Media Technologies, Inc.
P.O.Box 934327 Atlanta, GA 31193-4327

All items sold by AMT remain the property of AMT until such time that they are paid for in full
All prices, amounts, and totals are in USD-US Dollars

* Special Order, EOL, and non-inventoried items are Non-Returnable and Non-Cancellable *

Please visit us at: www.amt.com

Sub Total:	11,988.00
Invoice Discount:	0.00
Total sales Tax:	0.00
Shipping & Hand:	1,662.66
Invoice Total:	13,650.66



Power & Telephone
200 Keough Drive
Suite 101
Piperton, TN 38017

20304

INVOICE

Inv Date	Due Date	UPC Vendor	Order #
06/23/22	07/23/22	000001	7359574-02
PO #		Page #	
20304		1	

Ship To: CITIZENS TELEPHONE CO
220 WEBBS MILL RD NW
FLOYD, VA 24091

Send Payments to: PO Box 1000, Dept 839
Memphis, TN 38148-0839

For Questions Contact: ar@ptsupply.com
901-866-3070 - Credit Line

Cust #: 20244
Bill To: CITIZENS TELEPHONE CO
P.O. BOX 137
FLOYD, VA 24091

Currency	USD	Sales Rep In	MRH1
Instructions		Terms	
Net 30 Days			
Ship Point		Ship Via	Shipped
Power & Tel LX Dist Center			06/23/22
Requested Ship Date	11/05/21	Freight In/Out	N/Y

Ln#	Product And Description	Quantity Ordered	Quantity B/O	Quantity Shipped	Qty U/M	Unit Price	Amount (Net)
	PLEASE DO NOT SHIP R&L TRUCKING ****UPS ON SMALL PACKAGES**** ****FEDEX FREIGHT ON LTL****						
1	D06322000	38	0	38	EA	130.99	4,977.62
	CLOSURE FOSC450A44121A1V (R) Customer Prod: 4426 ITEM A4426 TRACK: FDEF- 5947569633						

1 Lines Total	Qty Shipped Total	38	Total	4,977.62
			Freight Out	95.38
			Taxes	263.82
			Invoice Total	5,336.82

split 140.44
25% estimated increase
\$ 175.55

Customer Copy

Page 1 of 1

This sale is subject to Seller's full Terms and Conditions of Sale available at <https://www.ptsupply.com/terms-and-conditions>. Seller will not be bound by any different or additional terms or conditions proposed or submitted by Buyer, regardless of form unless expressly and specifically agreed to by Seller in writing. No conduct on the part of Seller, including but not limited to, (i) acceptance of a purchase order without expressly rejecting any Buyer terms or conditions reflected therein; (ii) or delivery of goods; or (iii) acceptance of payment, will constitute acceptance by Seller of such different or additional terms or conditions.



Bill To:
Attn: Accounts Payable
CITIZENS TELEPHONE COOPERATIVE (VA)
PO BOX 137
FLOYD, VA 24091

Ship To:
CITIZENS TELEPHONE COOPERATIVE (VA)
220 WEBBS MILL RD N
FLOYD, VA 24091

Invoice		
Number	299971	
Date	06-Jul-2022	Page 1 of 1
Purchase Order Number	20266	
Sales Order Number	50064787	
Customer Number	6465	
Terms	30 NET	Due Date 05-Aug-2022
Ship Date	06-Jul-2022	Ship Via Pegasus Logistics Group
Shipping Reference	23028191	Currency USD
Customer Contact		

Line Number	Item Number	Customer Item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
1	000-01201		GS4227, GPON SFP module, package Dual band 4x4 + 2x2 Wi-Fi 6; 4 GE, 2 POTS, AM power adapter	100	243.75	24,375.00
2	000-00951		803G GigaPoint, 1 GE, 1 POTS -AM Type A Power Adapter	50	105.00	5,250.00
Special Instructions				Shipping & Handling		Total
			Sub Total		348.48	\$31,543.61
			Tax		1,570.13	2,322

256.66

0 NT
\$ 256.98

Estimated 25% max
\$ 323.73

20266

Check Remittance Address:

Calix Inc.
P.O. Box 843163
Dallas, TX 75284-3163
United States

For any questions or concerns regarding this invoice, please reach out to accountsreceivable@calix.com and a member of the team will get back to you.

View your order details at any time from the My Calix Store Order Manager. Did you know Calix makes it incredibly easy to order from the My Calix Store?



Bringing it all together

Citizens

220 Webbs Mill Road

FLOYD, VA 24091

(540) 745-2111

Trans: 13967-00001

Date: 08-10-2022 15:11:20

Items	Amount
FIBER CONNECTION FEE -	\$199.00
3YR COMMITME	
Qty: 1 @ \$199.00	

Sub-total	\$199.00
Taxes	\$11.31
Total	\$210.31

Payment Methods	Amount
VI 7027	\$210.31

Approval Code: 066320

Signature of card holder

MERCHANT COPY



Bringing it all together

Citizens

220 Webbs Mill Road

FLOYD, VA 24091

(540) 745-2111

Trans: 13967-00001

Date: 08-10-2022 15:11:20

Items	Amount
FIBER CONNECTION FEE -	\$199.00
3YR COMMITME	

Qty: 1 @ \$199.00

Sub-total	\$199.00
Taxes	\$11.31
Total	\$210.31

Payment Methods	Amount
VI 7027	\$210.31

Approval Code: 066320

CUSTOMER COPY

Waived to customers in VA
to encourage migration
to fiber service

Cash Drawer Transaction Details

Company Details

Company: 0210 - Citizens Telephone Cooperative ▼

Cash Drawer Details

Cash Drawer ID: 13972

☒ Print Receipt

Shift Date: 08-11-2022 07:59:18

Transaction Number: 1

Transaction Items (1)

Item #	Item Type	Item Description	Total	Status
1	Sales Item	INETLABOR - INTERNET - LABOR CHARGE Qty: 1 @ \$80.00	\$80.00	

Retail Labor Charges



Power & Telephone
200 Keough Drive
Suite 101
Piperton, TN 38017

20205

INVOICE

Inv Date	Due Date	UPC Vendor	Order #
07/07/22	08/06/22	000001	7399884-00
PO #		Page #	
20305		1	

Ship To: CITIZENS TELEPHONE CO
220 WEBBS MILL RD NW
FLOYD, VA 24091

Send Payments to: PO Box 1000, Dept 839
Memphis, TN 38148-0839

Cust #: 20244
Bill To: CITIZENS TELEPHONE CO
P.O. BOX 137
FLOYD, VA 24091

For Questions Contact: ar@ptsupply.com
901-866-3070 - Credit Line

Currency	USD	Sales Rep In	MRH1
Instructions		Terms	
		Net 30 Days	
Ship Point		Ship Via	Shipped
Power & Tel LX Dist Center			07/07/22
Requested Ship Date		Freight In/Out	N/Y
07/08/22			

Product Ln# And Description	Quantity Ordered	Quantity B/O	Quantity Shipped	Qty U/M	Unit Price	Amount (Net)
PLEASE DO NOT SHIP R&L TRUCKING ****UPS ON SMALL PACKAGES**** ****FEDEX FREIGHT ON LTL****						
1 CON13X685 PLATE WALL SNGL GNG FBR WHT 2 PC CVR TRACK: UPSS- 1Z2103160311542209 TRACK: UPSS- 1Z2103160311542218	100	0	100	EA	9.79080	979.08

1 Lines Total	Qty Shipped Total	100	Total	979.08
			Freight Out	53.56
			Taxes	51.89
			Invoice Total	1,084.53

\$ 10.85
25% increase estimate
\$ 13.55

Inside
Installation

Customer Copy

Page 1 of 1

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Power & Telephone
200 Keough Drive
Suite 101
Piperton, TN 38017

20402
INVOICE

Inv Date	Due Date	UPC Vendor	Order #
03/16/22	04/15/22	000001	7398860-00
PO #		Page #	
20402		1	

Ship To: CITIZENS TELEPHONE CO
220 WEBBS MILL RD NW
FLOYD, VA 24091

Send Payments to: PO Box 1000, Dept 839
Memphis, TN 38148-0839

Cust #: 20244
Bill To: CITIZENS TELEPHONE CO
P.O. BOX 137
FLOYD, VA 24091

For Questions Contact: ar@ptsupply.com
901-866-3070 - Credit Line

Currency	USD	Sales Rep In	MRH1
Instructions		Terms	
		Net 30 Days	
Ship Point		Ship Via	Shipped
** Drop Ship **			03/03/22
Requested Ship Date	01/13/22	Freight In/Out	N/Y

Product Ln# And Description	Quantity Ordered	Quantity B/O	Quantity Shipped	Qty U/M	Unit Price	Amount (Net)
PLEASE DO NOT SHIP R&L TRUCKING ****UPS ON SMALL PACKAGES**** ****FEDEX FREIGHT ON LTL****						
1 ZIK9R8SASA050F02VZ JUMPER MICRODROP 50' SM ONFR SIMPLEX SCAPC/SCAPC ITEM 237	88	0	88	EA	31.93	2,809.84
2 ZIK9R8SASA025F02VZ JUMPER MICRODROP 25' SM OFNR SPLX SCAPCSCAPC ITEM 236	132	0	132	EA	26.99	3,562.68
3 ZIK9R8SASA010F02 MICRO DROP PEELABLE SCA- SCA 10FT ITEM 240	50	0	50	EA	24.84	1,242.00

W/TAX
26.16

3 Lines Total	Qty Shipped Total	270	Total	7,614.52
			Freight Out	71.86
			Taxes	403.58
			Invoice Total	8,089.96

Estimated 25% increase
\$32.70

Inside
Installation

Customer Copy

Page 1 of 1

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Invoice

Applied Fiber Telecommunications, Inc.
P.O. Box 1339
Leesburg, GA 31763

Invoice Number: 0086561-IN
Invoice Date: 5/27/2022

Order Number: 0050541
Order Date: 5/20/2022
Salesperson: 0005
Customer Number: 0000290

Sold To:
Citizen's Telephone-Floyd
P.O. Box 137
Floyd, VA 24091
Confirm To:

Ship To:
CITIZENS TELEPHONE COOP
220 WEBBS MILL RD NW
FLOYD, VA 24091

Customer P.O.	Ship VIA	F.O.B.	Terms	US Dollars		
20547	BEST WAY		Net 30 Days			
Item Code	Unit	Ordered	Shipped	Back Ordered	Price	Amount
SBI3SASA0002M	EACH	200.000	200.000	0.000	12.7900	2.558.00
SIM SM 3mil BI YL SCA/SCA-2M		Whse: 000				

All payments are to be made in US Dollars

Net Invoice:	2,558.00
Less Discount:	0.00
Freight:	60.64
Sales Tax:	0.00
Invoice Total:	2,618.64

Inside Installation

\$ 13.09
estimated 25% markup
\$ 16.36



Power & Telephone
200 Keough Drive
Piperton, TN 38017

INVOICE

Inv Date	Due Date	UPC Vendor	Order #
05/07/21	06/06/21	000001	7225809-00
PO #		Page #	
20045		1	

Ship To: CITIZENS TELEPHONE CO
220 WEBBS MILL RD NW
FLOYD, VA 24091

Send Payments to: PO Box 1000, Dept 839
Memphis, TN 38148-0839

Cust #: 20244
Bill To: CITIZENS TELEPHONE CO
P.O. BOX 137
FLOYD, VA 24091

For Questions Contact: ar@ptsupply.com
901-866-3070 - Credit Line

Currency	USD	Sales Rep In	JPG
Instructions		Terms	
Net 30 Days			
Ship Point		Ship Via	Shipped
Power & Tel LX Dist Center			05/07/21
Requested Ship Date	05/07/21	Freight In/Out	N/Y

Ln#	Product And Description	Quantity Ordered	Quantity B/O	Quantity Shipped	Qty U/M	Unit Price	Amount (Net)
****UPS ON SMALL PACKAGES****							
****FEDEX FREIGHT ON LTL****							
1	FTH76SA0200	500	0	500	EA	23.96	11,980.00
HOUSING FBR TRANS 1 SC SPLX							
TRACK: FDEF- 5285480480							
TRACK: FDEF- 5285480480							
TRACK: FDEF- 5285480480							

1	Lines Total	Qty Shipped Total	500	Total	11,980.00
				Freight Out	537.88
				Taxes	634.94
				Invoice Total	13,152.82

\$ 26.30

est 25% increase

\$ 32.88

NFD @ premise
Installation

Customer Copy

Page 1 of 1

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Whiting Construction Co., Inc.

Post Office Box 485
Troutman, North Carolina 28166
704-528-9395

Invoice No. CT570001 VATIDate: June 21, 2022

Bill To:

Citizens Telephone Co.

Attention: Mr. Russell Janney
200 Old Mill Rd NE
Floyd, VA 24091

Our Job Number: CT57000Work Order Number: 16785Exchange/Location: Topeca

Date Work Completed:

06/18/22

Foreman:

Campbell

Unit Description	Quantity	Unit Labor	Unit Material	Extended Labor	Extended Material	Total Labor & Material
WBD	1	75.00		75.00		75.00
BFO6	2622	2.85 *	Labor \$2.99	7472.70		7472.70
BFO fuel surcharge	2622	0.14 *		367.08		367.08
BD5	2	100.00		200.00		200.00
BM2	2	25.00	Ped	50.00		50.00
SEBO2	510	1.90		969.00		969.00
SEB fuel surcharge	510	0.10		51.00		51.00
<div style="border: 1px solid black; border-radius: 50%; padding: 20px; width: fit-content; margin: 20px auto;"> <p>\$2.99 25% estimated increase \$3.74</p> </div>						
Amount Due						9184.78

EB



FIRE • SECURITY

February 18, 2021

Bid # KH1844-4

Re: Brandon Quesenberry
Blue Ridge Manor Apartments - Fiber
134 Blue Ridge Cir Ne, Floyd, VA 24091

VSC Fire & Security is pleased to provide you with the following Low Voltage Quote for the above referenced project. All pricing is per our terms and conditions with qualifications herein from information given in reference to the above-mentioned project.

Structured Cabling

VSC Fire & Security will provide and install a 2-inch conduit raceway from Citizens provided outdoor enclosures to accessible attic space at 8 locations.

VSC Fire & Security will provide and install Single-Mode Fiber to each of the Forty-Four Apartments. Fiber will be installed from Citizens provided outdoor enclosures at 8 locations to the living rooms of 44 Apartments. VSC will provide a distribution point in the outdoor enclosures, terminate both ends with LC single-mode connectors, and provide PDF certification reports. VSC will install UF-5000 - 12" by 12" access panels in all 1st floor apartment ceilings for cabling access.

- 1 – Lot Distribution 2 Fiber Single-mode Plenum (Part # DX002TSLX9YP)
- 1 – Lot SM LC fusion pigtails
- 1 – Lot Panduit Mini-Com Fiber Jacks with Faceplates
- Installation of the above listed fiber and equipment
- Test and certification of Fiber cabling
- One-year Warranty on services performed.



Structured Cabling Exclusions

Professional stamped or CAD drawings. Painting, patching or any type of cosmetic work. Asbestos Abatement if any. Core drilling, trenching, boring and any type of site work. Any wiring above 100 volts. All Internet and TV equipment to be provided by owner(s). Demolition work. Bonds and permits. Work not described herein.

Project Total..... \$64,576.00

Thank you for the opportunity to provide you a quote for this project. If you have any questions or concerns, please do not hesitate to call me direct at 540-355-0846.

Respectfully,
Kevin Howlett
Project Manager

Please sign, date, and return the approved quotation to:

Kevin Howlett
knowlett@vscfire.com
VSC Fire & Security
1201 Electric Rd
Salem, VA 24153

*estimated
increase to
\$ 69,000*

Approved by:

Signature

Print Name

Date

The signing of this document constitutes it becoming a legal contract.

Attachment 14

Letters of Support

Economic Development Authority of Floyd County

Floyd County Public Schools

Floyd County Social Services



August 12, 2022

Tamarah Holmes, Ph.D
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste 300
Richmond, VA 23219

Dear Dr. Holmes:

I am excited to offer my strong support for the Floyd County application with Citizens Telephone Cooperative to extend fiber access to another 630 households in Floyd County. I understand this would include residents in Pine Ridge and Blue Ridge apartments, as well as to households down long, shared, private driveways around the County.

The extension of fiber will help overcome the digital divide and provide improved access to learning, working and starting or growing a business. In order to make sure income is not a barrier, Citizens already offers the Student Connect program providing \$10 month broadband access for low-moderate income students. They also offer half price broadband to low-income adult households.

Having been deeply involved in economic development in Floyd County for more than 14 years, I can tell you that extending fiber truly extends opportunity to our residents. We focus most of our attention on the people and businesses who have already chosen Floyd County, no matter the stage of their business. We have many programs to help remove barriers to success: the Floyd C4 Business Development Series and Challenge, the Floyd Growth Wheel program (a peer-to-peer program), the Floyd 5 & 10 Small Business Loan Program, Floyd Grown (technical support for agricultural and forestry-related businesses), the Floyd Innovation Center and now the Floyd Growth Center and Building 1 currently under construction to provide next-stage space and sites for growing businesses. One thread that runs through these programs is the effort to encourage and support entrepreneurship, innovation, and the development and sale of premium products and services.

Gigabit service access is a powerful tool to help these home-grown businesses sell their premium goods and services to the world. We will be delighted to welcome any of these residents and businesses into our programs to learn to capitalize on the Gigabyte service and other assets and work to develop new support as the needs arise.

Thank you for your consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jon Beegle". The signature is fluid and cursive, with a large initial "J" and "B".

Jon Beegle,
Chairman



FLOYD COUNTY PUBLIC SCHOOLS

140 Harris Hart Road NE

Floyd, VA 24091

Telephone: (540) 745-9400 FAX: (540) 745-9496

Tamarah Holmes, Ph.D,
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste 300
Richmond, VA 23219

Dear Dr. Holmes,

I am writing to express my strong support for the grant application to extend Citizens' Telephone Cooperative's broadband coverage into Pine Ridge and Blue Ridge apartments, as well as along the many long, shared driveways in Floyd County. Floyd County is very rural and many people live a long distance from state roads on shared driveways.

We need every student in the County to have a strong and affordable broadband connection. Students without access to broadband at home are at greater risk of falling behind their peers. For several years now, we have been able to loan all 9th-12th grade students in our high school Chromebooks as they are central for their learning at school and home.

To make sure income is not a barrier for access, Citizens and Floyd County Public Schools collaborate to provide broadband connectivity where available to each low-to-moderate income household with students through Student Connect. Student Connect makes broadband affordable to every household (\$10/month). These students are technically on the school's network, which provides protective filtering, and also connects them automatically to New River Community College, Radford University and Virginia Tech for any classes they take there.

If this project is approved, Student Connect would be available to students who live in the 600+ households to be served, including those in the low-income apartments.

Thank you for your consideration.

Sincerely,

John F. Wheeler, Ed.D.
Superintendent



Floyd County Department of Social Services

120 West Oxford Street – Building A-2

P.O. Box 314

Floyd, Virginia 24450

Telephone: (540) 745-9316 Facsimile: (540) 745-9325

J. Chad Alls, Director

August 12, 2022

Tamarah Holmes, Ph.D

Director

Office of Broadband

Department of Housing and Community Development

600 East Main Street, Ste 300

Richmond, VA 23219

Dear Dr. Holmes:

I am writing to express my strong support for the Floyd County VATI application with Citizens Telephone Cooperative. Once approved, Floyd County will have the ability to offer an additional 630 households the opportunity to experience fiber technology. Additionally, the areas impacted will include the Pine Ridge and Blue Ridge apartment complexes, which both provide low-income housing to some of Floyd's most vulnerable citizens. Additionally, the extension of fiber will assist our County in overcoming the digital divide and provide increased access to education, employment, health care and the many other services that are essential in supporting society.

In order to ensure income is not a barrier, Citizens currently offers the Student Connect Program, which provides \$10 per month broadband access for low-moderate income students. Citizens also offers half-price broadband to low-income adult households.

I hope you are able to fund this application to help these families maximize opportunities.

Thank you for your consideration.

Respectfully submitted,



J. Chad Alls
Director

Form 477 Filing Summary

FRN:

0004381422

Data as of:

Jun 30, 2021

Operations:

ILEC

Submission Status:

Original - Submitted

Last Updated:

Filer Identification

Section	Field	Response
Filer Information	Company Name	Citizens Telephone Cooperative
	Holding Company Name	Citizens Telephone Cooperative (VA)
	Filing Type	ILEC
	SAC ID	190225
	499 ID	801231
Data Contact Information	Data Contact Name	Cindy Weaver
	Data Contact Phone Number	(540) 745-9522
	Data Contact E-mail	cindyweaver@citizens.coop
Emergency Operations Contact Information	Emergency Operations Name	J Gregory Sapp
	Emergency Operations Phone Number	(540) 745-2111
	Emergency Operations E-mail	gregsapp@citizens.coop
Certifying Official Contact Information	Certifying Official Name	J Gregory Sapp
	Certifying Official Phone Number	(540) 745-2111
	Certifying Official E-mail	gregsapp@citizens.coop

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Broadband Deployment 2021-06-30 FINAL.csv	Aug 30, 2021 01:44 PM	2,230
Fixed Broadband Subscription	Interactive data entry		153
Fixed Voice Subscription	Interactive data entry		10

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	Citizens Telephone Cooperative	ADSL2	962
		Cable Modem – DOCSIS 3.1	400
		Optical Carrier/Fiber to the End User	586
		VDSL	282
Total			2,230

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Asymmetric xDSL	60	4,198	271	4,469
	Cable Modem	31	1,467	70	1,537
	Optical Carrier/Fiber to the End User	62	1,277	228	1,505
Total		153	6,942	569	7,511

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
1.000	1.000	27	0	27
1.500	0.768	1,009	65	1,074
3.000	0.768	1,310	61	1,371
5.000	2.000	0	1	1
5.000	3.000	0	21	21
6.000	0.768	1,021	54	1,075
6.000	1.500	149	20	169
10.000	3.000	432	27	459
25.000	5.000	242	21	263
25.000	10.000	766	120	886
50.000	10.000	414	87	501
75.000	10.000	266	10	276

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
100.000	10.000	29	7	36
100.000	25.000	1	36	37
200.000	10.000	28	6	34
200.000	50.000	0	13	13
300.000	10.000	0	1	1
300.000	50.000	0	7	7
1,000.000	500.000	1,248	12	1,260
Total		6,942	569	7,511

Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Asymmetric xDSL	1.500	0.768	1,009	65	1,074
	3.000	0.768	1,310	61	1,371
	5.000	3.000	0	21	21
	6.000	0.768	1,021	54	1,075
	6.000	1.500	149	20	169
	10.000	3.000	432	27	459
	25.000	5.000	242	21	263
	50.000	10.000	35	2	37
Cable Modem	1.000	1.000	27	0	27
	25.000	10.000	745	26	771
	50.000	10.000	373	20	393
	75.000	10.000	265	10	275
	100.000	10.000	29	7	36
	200.000	10.000	28	6	34
	300.000	10.000	0	1	1
Optical Carrier/Fiber to the End User	5.000	2.000	0	1	1
	25.000	10.000	21	94	115
	50.000	10.000	6	65	71
	75.000	10.000	1	0	1
	100.000	25.000	1	36	37
	200.000	50.000	0	13	13

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
	300.000	50.000	0	7	7
	1,000.000	500.000	1,248	12	1,260
Total			6,942	569	7,511

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	6,567	5,736	0	0
Total	6,567	5,736	0	0

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Virginia	0	0
Total	0	0

VGE Lines Provided to End Users by State, Bundle and Product Type

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Business/Govt.	
				& No PIC	& PIC	& No PIC	& PIC
Virginia	6,567	5,215	1,352	1,924	3,812	0	831
Total	6,567	5,215	1,352	1,924	3,812	0	831

VGE Lines Provided to End Users by State, Ownership and Last-Mile Medium

State	Total	by Ownership			by Last-Mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Virginia	6,567	6,567	0	0	704	0	0	5,863
Total	6,567	6,567	0	0	704	0	0	5,863

Reminder: Use 2010 Census geographies for data as of June 30, 2021 and before. Use 2020 Census geographies for data as of December 31, 2021 and after.

For help or assistance, please contact (877) 480-3201 or (717) 338-2834 (TTY) or you may submit an [online e-support ticket](#).

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Form 477 Filing Summary

FRN:

0004381422

Data as of:

Dec 31, 2021

Operations:

ILEC

Submission Status:

Original - Submitted

Last Updated:

Filer Identification

Section	Field	Response
Filer Information	Company Name	Citizens Telephone Cooperative
	Holding Company Name	Citizens Telephone Cooperative (VA)
	Filing Type	ILEC
	SAC ID	190225
	499 ID	801231
Data Contact Information	Data Contact Name	Cindy Weaver
	Data Contact Phone Number	(540) 745-9522
	Data Contact E-mail	cindyweaver@citizens.coop
Emergency Operations Contact Information	Emergency Operations Name	J Gregory Sapp
	Emergency Operations Phone Number	(540) 745-2111
	Emergency Operations E-mail	gregsapp@citizens.coop
Certifying Official Contact Information	Certifying Official Name	J Gregory Sapp
	Certifying Official Phone Number	(540) 745-2111
	Certifying Official E-mail	gregsapp@citizens.coop

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Broadband Deployment 2021-12-31 FINAL.csv	Feb 24, 2022 12:39 PM	1,564
Fixed Broadband Subscription	Interactive data entry		200
Fixed Voice Subscription	Interactive data entry		12

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	Citizens Telephone Cooperative	ADSL2	588
		Cable Modem – DOCSIS 3.1	247
		Optical Carrier/Fiber to the End User	519
		VDSL	210
Total			1,564

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Asymmetric xDSL	76	4,154	254	4,408
	Cable Modem	36	1,551	80	1,631
	Optical Carrier/Fiber to the End User	88	1,629	290	1,919
Total		200	7,334	624	7,958

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
1.000	1.000	24	0	24
1.500	0.768	1,019	63	1,082
3.000	0.768	1,295	57	1,352
5.000	2.000	0	1	1
5.000	3.000	0	22	22
6.000	0.768	1,004	43	1,047
6.000	1.500	142	21	163
10.000	3.000	416	27	443
25.000	5.000	235	20	255
25.000	10.000	815	137	952
50.000	10.000	460	117	577
75.000	10.000	261	18	279

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
100.000	10.000	34	10	44
100.000	25.000	1	43	44
200.000	10.000	31	6	37
200.000	50.000	0	14	14
300.000	10.000	1	1	2
300.000	50.000	0	9	9
1,000.000	500.000	1,596	15	1,611
Total		7,334	624	7,958

Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Asymmetric xDSL	1.500	0.768	1,019	63	1,082
	3.000	0.768	1,295	57	1,352
	5.000	3.000	0	22	22
	6.000	0.768	1,004	43	1,047
	6.000	1.500	142	21	163
	10.000	3.000	416	27	443
	25.000	5.000	235	20	255
	50.000	10.000	43	1	44
Cable Modem	1.000	1.000	24	0	24
	25.000	10.000	790	30	820
	50.000	10.000	411	21	432
	75.000	10.000	260	12	272
	100.000	10.000	34	10	44
	200.000	10.000	31	6	37
	300.000	10.000	1	1	2
Optical Carrier/Fiber to the End User	5.000	2.000	0	1	1
	25.000	10.000	25	107	132
	50.000	10.000	6	95	101
	75.000	10.000	1	6	7
	100.000	25.000	1	43	44
	200.000	50.000	0	14	14

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
	300.000	50.000	0	9	9
	1,000.000	500.000	1,596	15	1,611
Total			7,334	624	7,958

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	6,333	5,530	0	0
Total	6,333	5,530	0	0

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Virginia	0	0
Total	0	0

VGE Lines Provided to End Users by State, Bundle and Product Type

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Business/Govt.	
				& No PIC	& PIC	& No PIC	& PIC
Virginia	6,333	5,024	1,309	1,758	3,772	0	803
Total	6,333	5,024	1,309	1,758	3,772	0	803

VGE Lines Provided to End Users by State, Ownership and Last-Mile Medium

State	Total	by Ownership			by Last-Mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Virginia	6,333	6,333	0	0	829	0	0	5,504
Total	6,333	6,333	0	0	829	0	0	5,504

Reminder: Use 2010 Census geographies for data as of June 30, 2021 and before. Use 2020 Census geographies for data as of December 31, 2021 and after.

For help or assistance, please contact (877) 480-3201 or (717) 338-2834 (TTY) or you may submit an [online e-support ticket](#).

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**County of Floyd, Virginia
120 W Oxford St, Floyd, VA 24091**

Date of Issuance:

Floyd County VATI Project 2023 (Universal Coverage)
Project ID: **To Be Determined**

COMMUNICATION PLAN

Lydeana Martin
Community & Economic Development Director
County of Floyd

Donna Smith
Assistant General Manager & Chief Operating Officer
Citizens Telephone Cooperative

Floyd County VATI Project 2023 (Universal Coverage)
Project ID: **To Be Determined**

Communication Plan:

Role of Communication Plan: The Communication Plan represents a correspondence plan between Citizens Telephone Cooperative (dba Citizens) and the Floyd County Administrator/Community and Economic Development Director as the overseers of the project. Citizens will regularly inform the County Administration with monthly reports prior to the Board of Supervisors Meetings.

Schedule of Board Meeting (County of Floyd and Citizens):

02/28/23	Survey to determine need due from interested residents
04/04/23	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
04/11/23	Share with the Floyd Board of Supervisors the Kickoff of the VATI project plan and how many overall customers will be impacted by the funding of Private Road Construction. Sign needed documents for the DCHD. (Lydeana Martin)
05/09/23	Floyd Co Board (Lydeana Martin); Citizens Board of Directors (Donna Smith)
06/06/23	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
06/13/23	Floyd Co Board (Lydeana Martin)
07/11/23	Citizens Board of Directors in-person meeting - Update on VATI status and Invoices being submitted for reimbursement. (Donna Smith)
07/18/23	Submit Quarter 1 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
08/01/23	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
08/08/23	Target for Milestone 1; Share with the Floyd County Board the number of homes VATI funding has helped to get Fiber service to. Estimated quantity of services is 533 homes. (Lydeana Martin)
09/05/23	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
09/12/23	Floyd Co Board (Lydeana Martin)
10/03/23	Citizens Board of Directors in-person meeting - Update on Milestone 2 (Donna Smith)
10/10/23	Target for Milestone 2; Share with the Board the buildout progress to unserved areas in Floyd County. This includes Pine Ridge Apartments and Blue Ridge Apartments - low-income housing units in the County. (Lydeana Martin)
11/07/23	Citizens Board of Directors Updates and review Invoices submitted for reimbursement. (Donna Smith)
11/14/23	Submit Quarter 2 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
12/05/23	Citizens Board of Directors in-person meeting - Update on Milestone 3 (Donna Smith)
12/12/23	Target for Milestone 3; Share with the Board the additional homes impacted. (Lydeana Martin)
01/02/24	Citizens Board of Directors in-person meeting - Update and review Invoices submitted for reimbursement (Donna Smith)
01/09/24	Submit Quarter 3 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
02/06/24	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
02/13/24	County of Floyd Board of Supervisors Updates (Lydeana Martin)
03/05/24	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
03/12/24	County of Floyd Board of Supervisors Updates (Lydeana Martin)
04/02/24	Citizens Board of Directors in-person meeting - Update on Milestone 4 (Donna Smith)
04/09/24	Target for Milestone 4; Share with the Board the additional homes impacted. (Lydeana Martin)
05/07/24	Citizens Board of Directors in-person meeting - Updates and review invoices for submission (Donna Smith)

05/14/24	Submit Quarter 4 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
06/04/24	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
06/11/24	County of Floyd Board of Supervisors Updates (Lydeana Martin)
07/02/24	Citizens Board of Directors in-person meeting - Update and review invoices submitted (Donna Smith)
07/09/24	Submit Quarter 5 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
08/06/24	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
08/13/24	County of Floyd Board of Supervisors Updates (Lydeana Martin)
09/03/24	Citizens Board of Directors in-person meeting - Update on Progress (Donna Smith)
09/10/24	County of Floyd Board of Supervisors Updates (Lydeana Martin)
09/30/24	Target Completion of Project
10/01/24	Citizens Board of Directors in-person meeting - Update on completion of the project. (Donna Smith)
10/08/24	Submit Quarter 5 Invoices to the County Administrator for reimbursement. (Lydeana Martin)
11/05/24	Wrap up any invoicing from completion of the project and have all documents finalized and to the
12/03/24	County Administrator by Dec 3, 2024. (Donna Smith)
12/10/24	Submit to the Board of Supervisors final reports of the project and the overall budget. Report the number of customers impacted by the project and the success of the impacts on citizens of the community. (Donna Smith/Lydeana Martin)

Marketing Plan:

- I. Research percentage of the County is eligible for VATI 2023 grant (Donna Smith, Lydeana Martin) (533 residential properties)
- II. Application & Grant Received (Donna Smith, Lydeana Martin)
- III. Survey development (Donna Smith, Lori Saltus)
 - A. 533 residential properties
 - B. Private Roads
 - C. Low-income multi-dwelling apartment complexes (Pine Ridge and Blue Ridge)
- IV. Communication Plan (Lydeana Martin, Donna Smith, Lori Saltus)
 - A. Stakeholders
 1. internal meeting
 - a) County of Floyd with Citizens Executive Management
 - b) Citizens Engineering and Contractors
 - (1) Scope of work
 2. email communication
 - a) Summary of project
 - b) Work plan
 - c) Contractor bid process creation
 3. Survey to specific residents
 - a) email existing customers meeting criteria for Private Drive and apartment complex locations
 - b) postal carrier surveys to residents meeting criteria for Private Drives and low-income, multi-dwelling apartments
 - (1) citizens.coop/vati-construction-survey-2022?area=VATIGrantConstruction2022
 4. Outreach by Phone to residents meeting criteria for Private Drive, and low-income, multi-dwelling apartments
 - 5.

5. Door-to-Door visits for returned mailings to determine if a vacant home or unlivable structure

B. County Leadership

1. County Board of Supervisors Meeting Announcement
2. Email communication to County Leaders and EDA Members
3. Chamber of Commerce Presentation
4. Referrals of Small Businesses, Entrepreneurs, and Prospects from County to Citizens
5. County Tourism Meeting Announcement of project

C. Citizens Leadership



1. Board of Directors - in-person meeting
 - a) provide scope of work and action plan
2. Staff - email announcement and in-person Company Meeting

V. Marketing Service Availability (Lori Saltus)

A. Outreach Phone Calls by Citizens' Sales Consultants

1. Available NOW list of prospects

B. Direct Mail Letters 3/1/23 w/Desired Interest Survey

1. Available NOW list of prospects  Direct Mail: VATI Expansion 2023 Letter 1. -NOW
2. Construction 2023  Direct Mail: VATI Construction 2023 Letter

C. Direct Email Notices 1/29/23 w/Desired Interest Survey

1. Daily Survey response to Management
2. Orders for response list

D. News Release with County

E. Digital Marketing - OTT, CTV

1. Geofence for NOW available area
2. Geofence for CONSTRUCTION area

VI. Follow-up (Donna Smith, Lori Saltus)

A. Contact methods based on the construction phase

1. Email
2. Calls
3. Text
4. Digital marketing
5. Direct mail

- VII. Advertising: no mass advertising due to grant terms and specifics of eligibility (Lori Saltus)
- A. Direct Mail to specific addresses based on grant terms and eligibility
 - B. Email to existing customers of Citizens based on grant terms and eligibility
 - C. Digital advertising via specific geofence based on the phase of the project, grant terms, and eligibility

COMMUNICATION PLAN AMENDMENTS

As the Floyd County VATI 2023 Communications Plan is a working document, it will be revisited regularly and revised as needed. Any revisions to this Plan will be approved by the Project Manager (Lydeana Martin), Citizens' Project Lead (Donna Smith), and DHCD and will be signed by the County Administrator (Linda Millsaps, Ph.D.), the project's Certifying Officer, or her designee, in order to be made official.

Lydeana Martin, Project Manager

Date

Donna Smith, Citizens' AGM & COO, Project Lead

Date

Linda Millsaps, PhD, County Administrator and Certifying Officer

Date