

QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information		
1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number NT10BIX5570016	3. DUNS Number 074747908
4. Recipient Organization Virginia Tech Foundation, Inc. 902 Prices Fork Road STE 400, Blacksburg, VA 24060-3260		
5. Current Reporting Period End Date (MM/DD/YYYY) 09-30-2011	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No	
7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.		
7a. Typed or Printed Name and Title of Certifying Official Pat Rodgers	7c. Telephone (area code, number and extension) 5402311709	7d. Email Address prodgers@vt.edu
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 11-14-2011	
Empty space for additional information or comments		

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).
 The National Park Service Permit was approved on 9-1-11. We have received the majority of the network transport equipment. We have received the cable from the alternate supplier we had been waiting for. The two huts have been received, paid for, and are ready for installation. Make-ready work continues to be done by various utilities. Construction has been completed from Virginia Tech to Pemtel's co-location site in Newport, VA (12 miles). We will be providing a circuit for Pemtel thru this fiber. Site work is continuing on the two interconnection hut sites. Approximately 45 miles or 43% of the cable had been placed by the end of the quarter. Giles County had the most project activity this quarter.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	40	Delayed EA approval pushed scheduled start date approximately 6 months. New completion date is Y3Q2.
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	30	Wet weather and unforeseen construction challenges have delayed completion to Y2Q4.
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc)	45	Site preparation and wet weather have hampered our attempt to make construction gains. Estimated completion date is Y2Q4.
2i.	Equipment Deployment	0	Equipment deployment has been delayed because of the delay in site preparation. Deployment will begin in Y2Q4 and be completed in Y3Q1.
2j.	Network Testing	0	Network testing has been delayed because of the delay in site preparation. Testing will begin in Y2Q4 and be completed in Y3Q2.
2k.	Other (please specify):	0	N/A

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

- Gaining completion of the make-ready work by other utilities in a timely manner
- Continue to encounter numerous locations with rock
- * Encountered construction problems (water seepage) on the hut sites.
- Heavy rains have slowed construction progress in some areas

4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	45	Due to late start, progress has been slower than anticipated.
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	N/A

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Number of miles of new fiber (aerial or underground)	45	Due to late start, progress has been slower than anticipated.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	N/A

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	1
Average term of signed agreements (in quarters)	12

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:
 N/A

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in \$ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:
 N/A

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this this third party operates (600 words or less).
 N/A

6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	Providers with signed agreements receiving new access	0	N/A
	Providers with signed agreements receiving improved access	0	N/A
	Providers with signed agreements receiving access to dark fiber	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	Will offer 10 mbps-100mbps; open access.
Community Anchor Institutions (including Government institutions)	Total subscribers served	0	N/A

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number or subscribers for each	0	Will off 10 mbps-100 mbps; open access
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

7. Please describe any special offerings you may provide (600 words or less).
N/A

8a. Have your network management practices changed over the last quarter? Yes No

8b. If so, please describe the changes (300 words or less).
N/A

9. Community Anchor Institutions:
Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
N/A	N/A	N/A	No	N/A

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 • Complete the site work and placement of the Huts
 • Receive the remaining transport equipment

* Begin installation of the transport equipment

- Complete make-ready work
- Deploy 31 new network miles
- Sign an agreement with Pemtel (1st agreement)
- In order to catchup on the milestones, the contractor will add 3 additional crews in November, for a total of 7 crews working on the project. See "Next Quarter Challenges" for additional mitigation efforts.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	61	Percent completion as projected.
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	100	Complete
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc.)	70	Construction plans are to place 30 miles of cable in Y2Q4
2i.	Equipment Deployment	33	Equipment to be installed in at least one interconnection point.
2j.	Network Testing	33	Network testing to be completed in at least one location.
2k.	Other (please specify):	0	N/A

3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

- Gaining completion of the make-ready work by other utilities in a timely manner
- Continue to encountered numerous locations with rock
- Weather may slow construction progress in all areas
- Work in the National Park area will present unique challenges; permit requirements.
- In order to ensure that 67% of the project is completed by the end of year 2, the contractor will add 3 additional crews, and will provide weekly progress reports to project management and VT inspector. Potential problems/roadblocks will be identified and promptly addressed. Focus on finishing buried construction prior to winter weather. Complete the site work on the 3rd interconnection site and place the node building by the end of Nov. Accept contractor billing twice per month instead of once per month to decrease lag time in the billing and construction ratio.

Infrastructure Budget Execution Details

Activity Based Expenditures (Infrastructure)

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	\$214,963	\$14,963	\$200,000	\$132,946	\$17,076	\$115,870	\$144,946	\$17,076	\$127,870
b. Land, structures, right-of-ways, appraisals, etc.	\$264,041	\$134,190	\$129,851	\$171,523	\$33,902	\$137,621	\$221,523	\$83,902	\$137,621
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$600,454	\$118,946	\$481,508	\$579,453	\$106,552	\$472,901	\$599,453	\$106,552	\$492,901
e. Other architectural and engineering fees	\$61,948	\$15,537	\$46,411	\$57,897	\$10,282	\$47,615	\$61,897	\$14,282	\$47,615
f. Project inspection fees	\$80,867	\$867	\$80,000	\$37,363	\$896	\$36,467	\$54,148	\$896	\$53,252
g. Site work	\$127,000	\$50,000	\$77,000	\$0	\$0	\$0	\$77,000	\$0	\$77,000
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$5,113,795	\$588,565	\$4,525,230	\$1,357,611	\$88,026	\$1,269,585	\$2,594,100	\$518,820	\$2,075,280
j. Equipment	\$436,000	\$436,000	\$0	\$412,571	\$406,806	\$5,765	\$426,571	\$420,806	\$5,765
k. Miscellaneous	\$25,932	\$25,932	\$0	\$25,932	\$25,932	\$0	\$25,932	\$25,932	\$0
l. SUBTOTAL (add a through k)	\$6,925,000	\$1,385,000	\$5,540,000	\$2,775,296	\$689,472	\$2,085,824	\$4,205,570	\$1,188,266	\$3,017,304
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n. TOTALS (sum of l and m)	\$6,925,000	\$1,385,000	\$5,540,000	\$2,775,296	\$689,472	\$2,085,824	\$4,205,570	\$1,188,266	\$3,017,304

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$0	b. Program Income to Date: \$0
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