

RECIPIENT NAME: Merit Network Inc.

AWARD NUMBER: NT10BIX5570114

DATE: 05/30/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

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 NT10BIX5570114	3. DUNS Number 615121324
4. Recipient Organization Merit Network Inc. 1000 Oakbrook Drive Suite 200, Ann Arbor, MI 48104-6815		
5. Current Reporting Period End Date (MM/DD/YYYY) 03-31-2013	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 Jamie Nielson	7c. Telephone (area code, number and extension) X	
	7d. Email Address jamien@merit.edu	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 05-30-2013	

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).
 Merit completed construction from Gaylord, MI to Mackinaw, MI. Construction was also completed from Norway, MI to Iron Mountain, MI. Merit continues to work on the transition of Boardman River to ATI Networks, Inc. Merit also began work on a route change in the St. Ignace area. A significant accomplishment was connecting the Upper and Lower Peninsulas of Michigan via fiber across the Mackinac Bridge.

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	58	Construction is in full swing for Round 2 across all segments. Merit has installed a significant amount of infrastructure and will continue construction during the next quarter.
2b.	Environmental Assessment	100	Merit has exceeded our Environmental Assessment costs. We are currently at 635% of original budget. This overage is due to the underestimated line item based on Request For Proposal responses to Merit and unexpected challenges in obtaining clearances in Wisconsin and Minnesota. Since Merit will continue to incur costs related to the Environmental Assessment, Merit is considering a revision to the budget to incorporate the latest estimate of the Environmental Assessment cost at completion, which will be around 641%.
2c.	Network Design	100	Since receiving Merit's Finding of No Significant Impact, Merit has completed the required field engineering. Merit anticipates continued costs for incorporating redlines and doing final CADs. Currently Merit is at 170% of the original budget. A portion of site prep expenses have been included in this category.
2d.	Rights of Way	100	Merit has prepped and submitted many permits so they can be approved as construction crews are deployed. Since receiving the Finding of No Significant Impact Merit has finalized the route and completed most of the engineering work necessary for permit submission. Merit is currently at 117% of its original budget.
2e.	Construction Permits and Other Approvals	78	Merit has prepped and submitted many permits so they can be approved as construction crews are deployed. Since receiving the Finding of No Significant Impact Merit has finalized the route and completed most of the engineering work necessary for permit submission.
2f.	Site Preparation	20	Due to the way Merit has been classifying their expenses, some of these costs are included with Network Design.
2g.	Equipment Procurement	20	Merit ordered and received equipment, and placed some of it in the field. As more of the network is completed, we anticipate placing additional orders.
2h.	Network Build (all components - owned, leased, IRU, etc)	73	Materials are still being ordered as construction continues. Since construction began in late December 2011, Merit has had a large number of crews working across multiple segments each week. It is anticipated that construction will continue at this pace.
2i.	Equipment Deployment	48	Merit has managed the equipment deployment by ordering, receiving, and placing it as needed. As more of the network is completed we will place additional equipment orders and incur more deployment expenses.
2j.	Network Testing	0	Network construction is taking place. Testing will take place as equipment is placed and operational.
2k.	Other (please specify): Staffing, Miscellaneous	36	Now that the project is fully staffed, Merit anticipates gradually coming into line with the Baseline Report by project completion.

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).

Weather has been the biggest challenge facing the project over the last quarter. The northern lower peninsula and the upper peninsula have received large amounts of snow which has greatly slowed construction on the network build.

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	497	Delays in some of our milestone categories have resulted in holdups in fiber installation. However, once construction is fully underway we anticipate closing the gap between our Baseline Report and the reported totals. Strand miles completed through Q1 2013: 79 Miles (includes purchased infrastructure) Conduit miles completed through Q1 2013: 833 Miles (includes purchased infrastructure)
New network miles leased	0	No Variance
Existing network miles upgraded	77	Merit purchased existing fiber along the planned route.
Existing network miles leased	0	No variance
Number of miles of new fiber (aerial or underground)	497	Delays in some of our milestone categories have resulted in holdups in fiber installation. However, once construction is fully underway we anticipate closing the gap between our Baseline Report and the reported totals.
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	6
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	80

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

LYNX Network Group, LLC
 KEPS Technologies, Inc. (D.B.A. - ACD.net) -(Signed contract as of June 30, 2012, will drop off project)
 Boardman River Communications, LLC (BRC)
 CCI Systems, Inc
 Peninsula Fiber Network, LLC (PFN)
 Great Lakes Comnet

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:

No wholesale services are currently being provided.

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).

Each sub recipient will own strands in the build depending on the segment/location of the build.

LYNX Network Group, LLC: Chris Barber, PO Box 237 Kalamazoo, MI 49004, Phone: 877.585.5969

Ownership: Northeastern Corridor and Middle Corridor

KEPS Technologies, Inc. (D.B.A. - ACD.net): Kevin Schoen, 1800 N Grand River Ave Lansing, MI 48906, Phone: 877.422.3638

Ownership: All Corridors (ACD had a signed contract with Merit. They will be dropping off the project)

Boardman River Communications, LLC (BRC): Gary John, 1801 Boardman Rd., SW, PO Box 17, South Boardman, MI, 49680, Phone: 231-369-2500, 231-492-5594

Ownership: Northern Corridor

CCI Systems, Inc: Joe Esbrook, 105 Kent Street, Iron Mountain, MI, 48901, Phone: 906-776-2866

Ownership: Northeastern Corridor and Middle Corridor

Peninsula Fiber Network, LLC (PFN): David McCartney, 108 W. Superior, Munising, MI, 49862, Phone: 906-226-2010

Ownership: Northern Corridor

Great Lakes Comnet: Bill Goodfellow, 1515 Turf Lane, Suite 100, East Lansing, MI 48823, Phone: 517-664-1600

Ownership: North Eastern, Middle, and North Corridor

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	6	Merit is providing dark fiber to wholesale providers who will in turn offer last mile services
	Please identify the speed tiers that are available and the number of subscribers for each	0	There are no Merit-defined speed tiers available to the current subscribers because they are all project subrecipients who will be creating their own speed tiers based on the equipment they independently install to light their fiber strands.
Community Anchor Institutions (including Government institutions)	Total subscribers served	91	CAI sites that are connected with BTOP funded infrastructure.
	Subscribers receiving new access	33	Will be receiving new access due to the REACH-3MCII project.
	Subscribers receiving improved access	58	All CAI sites that have been connected will be receiving improved access thanks to the REACH-3MCII project.
	Please identify the speed tiers that are available and the number or subscribers for each	1	All 91 are receiving a 1GB connection.
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	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 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).

None at this time.

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
Bayliss Public Library	Sault St. Marie, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Crawford County Library	Grayling, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Crawford-AuSable Schools	Grayling, MI	Schools (K-12)	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
MI Works-Grayling	Grayling, MI	Other Community Support Organizations	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
West Branch-Rose City Schools/Baker College	West Branch, MI	Schools (K-12)	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Oscoda Robert J. Parks Library	Oscoda, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Alpena Regional Medical Center-Oscoda	Oscoda, MI	Medical and Healthcare Providers	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Crawford County Central Dispatch	Grayling, MI	Public Safety Entities	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.

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
Alpena Community College-Huron Shores Campus	Oscoda, MI	Community Colleges	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Crystal Falls District Community Library	Crystal Falls, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Alcona Community Schools	Lincoln, MI	Schools (K-12)	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Michigan Works-Alcona (Lincoln)	Lincoln, MI	Other Community Support Organizations	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
North Country Community Mental Health-Kalkaska	Kalkaska, MI	Medical and Healthcare Providers	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
St. Ignace Public Library	St. Ignace, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Indian River Area Library	Indian River, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Northeast Michigan Community Mental Health-Hillman	Hillman, MI	Medical and Healthcare Providers	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Vanderbilt Area Schools	Vanderbilt, MI	Schools (K-12)	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Vanderbilt Branch Library	Vanderbilt, MI	Libraries	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.
Wolverine Schools	Wolverine, MI	Schools (K-12)	Yes	This institution is connected to BTOP funded infrastructure to provide broadband connectivity to the anchor site.

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).

Merit anticipates increasing construction activity in all segments in the upper and lower peninsula and get as much infrastructure and fiber installed as possible. Merit will look to obtain final approval of construction in the Bad River Tribe and begin construction in that area. However, project progress is still subject to weather constraints.

Miles deployed in the next quarter - 50

CAI's connected in the next quarter - 5

Number of broadband wholesaler/last mile provider agreements you plan to sign through the end of next quarter -0

*Miles deployed will determined by the weather the construction crews encounter in the next quarter

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	81	Merit expects construction to continue at full speed. The Finding of No Significant Impact was received approximately two (2) quarters behind the projected date thus many of our key indicators are also two (2) quarters behind.
2b.	Environmental Assessment	100	Merit has exceeded our Environmental Assessment costs. We are currently at 635% of original budget. This overage is due to the underestimated line item based on Request For Proposal responses to Merit and unexpected challenges in obtaining clearances in Wisconsin and Minnesota. Since Merit will continue to incur costs related to the Environmental Assessment, Merit is considering a revision to the budget

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
			to incorporate the latest estimate of the Environmental Assessment cost at completion, which will be around 641%.
2c.	Network Design	100	Since receiving Merit's Finding of No Significant Impact, Merit has completed the required field engineering. Merit anticipates continued costs for incorporating redlines and doing final CADs. Merit anticipates spending to continue in the next quarter in this category, with the overrun being absorbed by another category. Merit anticipates spending continuing in the next quarter and will be around 187%.
2d.	Rights of Way	100	Merit has prepped and submitted most permits for approval as construction crews are deployed. Since receiving the Finding of No Significant Impact Merit has finalized the route and completed the necessary engineering work. Merit anticipates being near 118% by the end of next quarter.
2e.	Construction Permits and Other Approvals	89	Merit has prepped and submitted most permits for approval as construction crews are deployed. Since receiving the Finding of No Significant Impact Merit has finalized the route and completed the necessary engineering work.
2f.	Site Preparation	60	Merit anticipates being invoiced for site preparation work performed in the previous quarter. Merit will have increased the number of staff working on site preparation from one (1) individual to four (4). Our strategy includes prepping each site prior to the arrival of the backbone fiber to the anchor, which allows Merit to complete site preparation more efficiently and in a timely manner.
2g.	Equipment Procurement	60	Merit is ordering additional optical equipment and anticipates being at budget by project completion.
2h.	Network Build (all components - owned, leased, IRU, etc.)	87	Merit has contracts with seven (7) construction firms, each with multiple construction crews, and is continuing aerial construction and underground construction across the funded network. Merit anticipates a significant increase in the spending rate in this budget category, and will be at budget by project completion.
2i.	Equipment Deployment	74	Merit has been behind our Baseline Report due to delays in the start of construction. However, with construction actively underway, our engineers will be field testing completed fiber, and spending in this category will increase. Merit will be at or close to budget by project completion.
2j.	Network Testing	50	Merit has been behind our baseline due to delays in starting from construction. However, with construction actively underway, our engineers will be out in the field testing completed fiber, and spending in this category will increase. Merit will be at or close to budget by completion.
2k.	Other (please specify): Staffing, Miscellaneous	68	The project is now fully staffed and Merit anticipates a gradual alignment with the Baseline Report by project completion. 3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress

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).

Merit will be working towards completing the infrastructure build in the coming quarter. Merit is targeting to have construction resumed in full force by May 1st. Weather has had a significant impact on construction in 2013 as heavy snow has limited construction. The upper peninsula still has significant snowfall on the ground and that will dictate when construction will resume. Merit has targeted May 1 as a date to resume work in all areas to stay on the construction schedule. Merit will also be working to obtain final approval of construction in the Bad River Tribe. Merit will be working carefully around environmental sensitive areas in Wisconsin which can impact the construction time line. Merit will also be working to obtain final permits from pole owners along the route and the time that it takes to complete this could impact the construction schedule.

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	\$621,845	\$124,369	\$497,476	\$219,432	\$43,886	\$175,546	\$494,425	\$98,885	\$395,540
b. Land, structures, right-of-ways, appraisals, etc.	\$1,116,000	\$223,200	\$892,800	\$276,794	\$55,359	\$221,435	\$903,219	\$180,644	\$722,575
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$4,301,298	\$860,260	\$3,441,038	\$4,719,351	\$943,870	\$3,775,481	\$5,385,788	\$1,077,158	\$4,308,631
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$732,625	\$146,525	\$586,100	\$0	\$0	\$0	\$11,257	\$2,251	\$9,005
g. Site work	\$723,009	\$144,602	\$578,407	\$38,578	\$7,716	\$30,863	\$434,297	\$86,859	\$347,437
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$51,151,342	\$10,230,268	\$40,921,074	\$38,764,957	\$7,752,991	\$31,011,966	\$45,107,670	\$9,021,534	\$36,086,136
j. Equipment	\$28,244,599	\$5,648,920	\$22,595,679	\$5,753,967	\$1,150,793	\$4,603,174	\$17,049,892	\$3,409,978	\$13,639,913
k. Miscellaneous	\$158,396	\$31,679	\$126,717	\$635,915	\$127,184	\$508,730	\$824,043	\$164,809	\$659,234
l. SUBTOTAL (add a through k)	\$87,049,114	\$17,409,823	\$69,639,291	\$50,408,994	\$10,081,799	\$40,327,195	\$70,210,591	\$14,042,118	\$56,168,471
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n. TOTALS (sum of l and m)	\$87,049,114	\$17,409,823	\$69,639,291	\$50,408,994	\$10,081,799	\$40,327,195	\$70,210,591	\$14,042,118	\$56,168,471

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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