

**QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

General Information		
<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b>  Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b>  NT10BIX5570144	<b>3. DUNS Number</b>  001745512
<b>4. Recipient Organization</b>  Northern Illinois University, Inc. Lowden Hall, Ste 201, Dekalb, IL 60115-3080		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  03-31-2012	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>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.</b>		
<b>7a. Typed or Printed Name and Title of Certifying Official</b>  Lisa Bergeron	<b>7c. Telephone (area code, number and extension)</b>	
	<b>7d. Email Address</b>  lbergeron@niu.edu	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  05-17-2012	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**

The Broadband Technology Opportunities Program (BTOP) is intended to accelerate broadband deployment in unserved and underserved areas, supporting strategic institutions that are likely to create jobs or provide significant public benefits. The Northern Illinois University BTOP team has been working on or completed the following:

- To date, we have completed final engineering design for 87% of the fiber route representing 533 miles of 616 miles, 18.5 miles of which were completed during this reporting quarter.
- To date, we have received permits for 61% of the fiber route representing 373 miles of 616 miles, 166 miles of which were received during this reporting quarter.
- To date, we have completed duct installation for 50% of the new fiber portion of the project totaling 305 miles of 616 miles, 118 miles of which were completed during this reporting quarter.
- To date, we have completed fiber installation for 17% of the new fiber portion of the project totaling 102 miles of 616 miles, 73 miles of which were completed during this reporting quarter.
- To date, we have met with 95% of CAIs and secured commitments from 71%, 30% of which were completed during this reporting quarter.
- To date, we have completed lateral building entrances with conduit installation for 45 CAI buildings and fiber installation to 25 CAI buildings, 19 of which were completed during this reporting quarter.
- This quarter we finalized an agreement with a wireless construction contractor. The technical design is complete for 5 wireless segments. The contractor is proceeding with the implementation/construction phase. An additional 7 wireless segments are under design/review by the contractor.
- This quarter the initial order of CAI equipment has been received.
- This quarter we finalized an agreement with a Construction Inspection contractor who initiated inspections in early March.
- This quarter we finalized an agreement with a locate and maintenance contractor.
- This quarter we Initiated the RFP for core network equipment. Seven RFPs were received, three finalists were interviewed. We anticipate final selection of a vendor by the end of April.

**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	There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.  At 3/31/2012, 87% of the network is designed and 61% permitted. Over 305 miles of conduit have been installed and 102 miles of fiber blown. Lateral terminations for 25 CAIs have been completed with dozens more in progress. CAI equipment has been purchased and core equipment is in the final stages of vendor selection.
2b.	Environmental Assessment	100	no variance
2c.	Network Design	43	There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.  At 3/31/2012, over 87% of the network is designed and 61% permitted. We are currently meeting with CAIs to secure organizational commitment and routes. 95% of CAIs have been contacted for which we have secured letters of commitment from 71%.
2d.	Rights of Way	63	no variance
2e.	Construction Permits and Other Approvals	63	no variance

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2f.	Site Preparation	43	<p>There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>Increased permits during the quarter will allow contractors to fully deploy the maximum number of crews once winter weather clears.</p> <p>Our Wireless contractor has designed the initial 5 links and will be designing the next 7 links in early Q2 2012.</p>
2g.	Equipment Procurement	9	<p>There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>A CAI equipment vendor was secured during the quarter and the initial order of CAI equipment purchased. The core network equipment RFP was released and review of vendors is in progress. We anticipate purchasing the core network equipment during Q2 2012.</p>
2h.	Network Build (all components - owned, leased, IRU, etc)	46	<p>Given the warmer Midwest winter weather and match commitments received, we have exceeded network build expectations during Q1 2012.</p>
2i.	Equipment Deployment	4	<p>There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>45 CAI conduit laterals have been completed. Of those, 25 have fiber blown and are ready for equipment installation which will ramp up during Q2 2012.</p>
2j.	Network Testing	25	<p>There were more activities than federal dollars spent during the report period. Variance is also due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>102 miles of fiber was installed during the quarter. We anticipate closing the gap on conduit installed during the next quarter. 5 wireless links have been designed and another 7 will be in progress during Q2 2012.</p>
2k.	Other (please specify): N/A	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).**

1) Incumbent providers have increased target marketing aggressiveness to sign up BTOP project CAIs in advance of our efforts. This has resulted in CAIs signing long term contracts with other providers in the past few months. This recent activity from incumbent providers may inhibit our ability to sign up anchor institutions. We have initiated extensive outreach campaigns to provide an update on the project and anticipated build plans. As of 3/31/2012, we have received letters of intent from 71% of our CAIs.

2) A portion of the project region may require greater than anticipated depths for duct and fiber installation. Our team and engineering firm are working with the affected county to resolve the issue.

3) FONSI. The project's environmental assessment was submitted to NTIA on 2/7/2011. The FONSI was received on 5/8/2011. This three month period delayed construction start and will have an impact on progress in the next few quarters. Despite the delay in clearance to begin construction, we anticipate overcoming progress lost within the next two quarters and reaching the overall project target during the grant period.

4) Expenditures. Because the progress reported in this report is based on federal draw down of funds, there will be more activities than federal dollars spent during the report period. The overall project will have drawn 67% of federal expenditures by the project milestone at 8/31/2012. We are working with sub recipients and contractors to ensure timely receipt of invoices for expenditures on the project. Additionally, the original baseline report was developed based on project progress not just expenditures. Actual expenditures can lag project progress by as much as 2 - 3 months, therefore reflecting further variance from the baseline than actual.

5) Shortened First Quarter. The first official project quarter ended 9/30/2010, two weeks after notice of award on 9/14/2010. Therefore progress does not align with original baseline data which was based on full project quarters. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation. Despite the short initial period, we anticipate reaching the overall project target during the grant period.

6) Permitting. Nearly 75% of total permitting for the project is with a single agency that had limited resources available for permitting causing significant increases in turnaround time given this project and other numerous projects in the region. Permit turnaround time decreased significantly during Q4 2011 after the permitting agency deployed additional resources. However, they have since withdrawn those additional resources and we are experiencing significant increases in permitting times once again. We have submitted permits for 87% of the network design for this permitting agency and have received permits for 72%.

7) Fiber Availability. We are beginning to experience delays in fiber deliveries. While we continue to have sufficient fiber on hand to meet construction timelines, this issue will be monitored closely as we move into the busier spring/summer seasons.

**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	102	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>At 3/31/2012, 87% of the fiber optic portion of the network is designed and 61% permitted. Over 305 miles of conduit have been installed and 102 miles of fiber blown. Lateral terminations for 25 CAIs have been completed with 27 more in progress. We have selected both a wireless contractor and CAI equipment vendor. CAI equipment has been purchased and core equipment is in the final stages of vendor selection. The project is on track to reach its 67% completion milestone.</p>
New network miles leased	157	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>Leased miles were secured for a majority of the planned routes. The final segment of leased miles will be executed early in the next quarter.</p>
Existing network miles upgraded	0	no variance
Existing network miles leased	0	no variance
Number of miles of new fiber (aerial or underground)	102	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>At 3/31/2012, 87% of the fiber optic portion of the network is designed and 61% permitted. Over 305 miles of conduit have been installed and 102 miles of fiber blown. Lateral terminations</p>

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
		for 25 CAIs have been completed with dozens more in progress. We have selected both a wireless contractor and CAI equipment vendor and have initiated the initial 5 wireless links and CAI equipment. The project is on track to reach its 67% completion milestone.
Number of new wireless links	0	Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation. 5 wireless links have been designed and another 7 will be in progress during Q2 2012.
Number of new towers	0	Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.  5 wireless links have been designed and another 7 will be in progress during Q2 2012.
Number of new and/or upgraded interconnection points	0	Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.  Most interconnection points have been identified and agreements are in process for many. We anticipate solidifying all interconnection points during the next two quarters.

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	22
Average term of signed agreements (in quarters)	0

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers: Negotiations are in progress, we have no signed agreements at this time but several are in the final stages. We anticipate receiving a minimum of 2 executed agreements in early Q2 2012.

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:

Wholesale services are being developed and a plan completed by Q4 2012.

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).

Illinois Fiber Resources Group NFP (iFiber) - sub recipient will operate the entire network.

Contact: John Lewis, Chairman (815) 753-0936 jlewis@niu.edu

**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	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We secured a dedicated resource during the prior quarter for wholesale and last mile provider negotiations to expedite this process. Negotiations are in progress with 22 broadband wholesalers and/or last mile providers. There is significant increase in interest from wholesalers and last mile providers.</p>
	Providers with signed agreements receiving improved access	0	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We secured a dedicated resource during the prior quarter for wholesale and last mile provider negotiations to expedite this process. Negotiations are in progress with 22 broadband wholesalers and/or last mile providers. There is significant increase in interest from wholesalers and last mile providers.</p>
	Providers with signed agreements receiving access to dark fiber	0	<p>Variance is due in part to permitting, the delayed FONSI, and Shortened First Quarter issue noted in Q3 below. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We secured a dedicated resource during the prior quarter for wholesale and last mile provider negotiations to expedite this process. Negotiations are in progress with 22 broadband wholesalers and/or last mile providers. There is significant increase in interest from wholesalers and last mile providers.</p>
	Please identify the speed tiers that are available and the number of subscribers for each	0	Tiers will be available once agreements are finalized.
Community Anchor Institutions (including Government institutions)	Total subscribers served	26	<p>Variance is due in part to the delayed FONSI and Shortened First Quarter issue noted in Q3 above. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We have met with 95% of CAIs and have secured letters of intent to participate from 71%. During the quarter, we completed 25 CAI lateral terminations for connectivity and anticipate a significant increase during the next two quarters with 2 contractors deployed on the project.</p>
	Subscribers receiving new access	0	<p>Variance is due in part to the delayed FONSI and Shortened First Quarter issue noted in Q3 above. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We have met with 95% of CAIs and have secured letters of intent to participate from 71%. During the quarter, we completed 25 CAI lateral terminations for connectivity and anticipate a significant increase during the next two quarters with 2 contractors deployed on the project.</p>
	Subscribers receiving improved access	26	<p>Variance is due in part to the delayed FONSI and Shortened First Quarter issue noted in Q3 above. According to full project quarters, there is less variance from the baseline plan for the project at eighteen months and two weeks from initiation.</p> <p>We have met with 95% of CAIs and have secured letters of intent to participate from 71%. During the quarter, we completed 25 CAI lateral terminations for connectivity and anticipate a significant increase during the next two quarters with 2 contractors deployed on the project.</p>

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Please identify the speed tiers that are available and the number or subscribers for each	2	1 Gbps for 461 CAIs and 100 Mbps for 72 CAIs
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
Amboy High School	Amboy	K-12	No	to expand and improve access to resources
Amboy J. High School	Amboy	K-12	No	to expand and improve access to resources
Amboy Central Elementary School	Amboy	K-12	No	to expand and improve access to resources
Dixon High School	Dixon	K-12	No	to expand and improve access to resources
Reagan Middle School	Dixon	K-12	No	to expand and improve access to resources



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
Fire Station 2	Belvidere	Public Safety	No	to expand and improve access to resources
KSB Hospital	Dixon	healthcare	No	to expand and improve access to resources
Amboy Pankhurst Library	Amboy	Library	No	to expand and improve access to resources
Amboy KSB Clinic	Amboy	Healthcare	No	to expand and improve access to resources
Jefferson Elementary School	Dixon	K-12	No	to expand and improve access to resources
Lincoln Elementary School	Dixon	K-12	No	to expand and improve access to resources
Washington Elementary School	Dixon	K-12	No	to expand and improve access to resources
Town Square Centre (KSB)	Dixon	Healthcare	No	to expand and improve access to resources
Edwards Clinic	Dixon	Healthcare	No	to expand and improve access to resources
Cherry Valley Library	Cherry Valley	Library	No	to expand and improve access to resources
Fire District 1	Rockford	Public Safety	No	to expand and improve access to resources
Fire District 6	Rockford	Public Safety	No	to expand and improve access to resources
Fire District 9`	Rockford	Public Safety	No	to expand and improve access to resources
Fire District 11	Rockford	Public Safety	No	to expand and improve access to resources
Belvidere South Middle School	Belvidere	K-12	No	to expand and improve access to resources
IDA Public Library	Belvidere	Library	No	to expand and improve access to resources
Belvidere Fire Station/911 Center	Belvidere	Public Safety	No	to expand and improve access to resources
Belvidere/Boone Public Safety Building	Belvidere	Public Safety	No	to expand and improve access to resources
Boone County Admin Campus	Belvidere	Governmental	No	to expand and improve access to resources
Belvidere City Hall	Belvidere	Governmental	No	to expand and improve access to resources
Belvidere Township	Belvidere	Governmental	No	to expand and improve access to resources

**Project Indicators (Next Quarter)**

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

We are actively negotiating with 22 leased and last mile providers and anticipate finalizing partner agreements with wholesale and last mile providers in addition to IRUs for portions of the network. Several of these agreements are in their final stages.

We have received commitments from CAIs for the first 5 wireless links and identified the next 7. During the next quarter wireless equipment and installation will begin for the first 5 links and design/engineering will be completed for the next 7 links. We are in the final stages of evaluating core network equipment and vendors. We anticipate selection of the vendor during the next quarter and initiating the first purchase of equipment.



Contractors have blown 102 files of fiber into the 305 miles of conduit through the end of this quarter. By the end of the next quarter we anticipate completing 420 miles of new conduit installation and 325 miles of new fiber blown. We will have a minimum of 50 CAI subscribers connected during the next quarter and 90% of all CAIs committed. While we are in negotiations with 22 broadband wholesalers and last mile providers, we anticipate at least two fully executed agreements will be received in Q2 2012.

**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	56	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We anticipate nearing completion of the new fiber optic network design and significant permitting during the next quarter. We anticipate having more than 60% of conduit completed and 40% of fiber blown by the end of the next quarter. The wireless vendor will begin construction with 5 links and complete design for another 7 links. We anticipate reaching nearly all of our CAIs and securing commitments from 90%. The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>
2b.	Environmental Assessment	100	no variance
2c.	Network Design	55	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We are near completion with the fiber optic network design and anticipate permitting near 90% during the next quarter.</p>
2d.	Rights of Way	80	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We are near completion with the fiber optic network design and anticipate permitting near 90% during the next quarter.</p>
2e.	Construction Permits and Other Approvals	83	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We are near completion with the fiber optic network design and anticipate permitting near 90% during the next quarter.</p>
2f.	Site Preparation	61	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We anticipate nearing completion of the new fiber optic network design and significant permitting during the next quarter. We anticipate having more than 420 miles of conduit completed and 325 miles of fiber blown by the end of the next quarter. The wireless vendor will begin construction with 5 links and complete design for another 7 links. We anticipate reaching nearly all of our CAIs and securing commitments from 90%. The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>
2g.	Equipment Procurement	32	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2h.	<b>Network Build (all components - owned, leased, IRU, etc.)</b>	61	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We anticipate nearing completion of the new fiber optic network design and significant permitting during the next quarter. We anticipate having more than 420 miles of conduit completed and 325 miles of fiber blown by the end of the next quarter. The wireless vendor will begin construction with 5 links and complete design for another 7 links. We anticipate reaching nearly all of our CAIs and securing commitments from 90%. The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>
2i.	<b>Equipment Deployment</b>	24	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>
2j.	<b>Network Testing</b>	41	<p>There will be more activity than federal dollars expended during the quarter. Variance is also due in part to permitting, delayed FONSI, and Shortened First Quarter issue noted in Q3.</p> <p>We anticipate nearing completion of the new fiber optic network design and significant permitting during the next quarter. We anticipate having more than 420 miles of conduit completed and 325 miles of fiber blown by the end of the next quarter. The wireless vendor will begin construction with 5 links and complete design for another 7 links. We anticipate reaching nearly all of our CAIs and securing commitments from 90%. The CAI equipment will be installed at connected locations. The core network equipment RFP will be awarded and initial equipment purchased.</p>
2k.	<b>Other (please specify): N/A</b>	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).**

If permitting continues to be slow through the primary permitting agency, it could delay construction in portions of the network. However, we anticipate having enough miles for significant progress during the next quarter.

Fiber Availability. We are beginning to experience delays in fiber deliveries. While we continue to have sufficient fiber on hand to meet construction timelines, this issue will be monitored closely as we move into the busier spring/summer seasons.

**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	\$3,711,487	\$1,213,656	\$2,497,831	\$1,576,688	\$145,496	\$1,431,192	\$2,168,188	\$145,496	\$2,022,692
b. Land, structures, right-of-ways, appraisals, etc.	\$4,647,688	\$1,519,794	\$3,127,894	\$798,816	\$30,000	\$768,816	\$978,816	\$30,000	\$948,816
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$1,223,700	\$400,150	\$823,550	\$411,748	\$86,367	\$325,381	\$456,748	\$86,367	\$370,381
e. Other architectural and engineering fees	\$841,250	\$275,089	\$566,161	\$146,721	\$0	\$146,721	\$176,721	\$0	\$176,721
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$48,327,740	\$15,810,021	\$32,517,719	\$23,318,136	\$13,186,111	\$10,132,026	\$32,038,137	\$14,706,111	\$18,832,026
j. Equipment	\$9,778,411	\$3,197,540	\$6,580,871	\$883,934	\$0	\$883,934	\$2,383,934	\$0	\$883,934
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$68,530,276	\$22,416,250	\$46,114,026	\$27,136,043	\$13,447,974	\$13,688,070	\$38,202,544	\$14,967,974	\$23,234,570
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$68,530,276	\$22,416,250	\$46,114,026	\$27,136,043	\$13,447,974	\$13,688,070	\$38,202,544	\$14,967,974	\$23,234,570

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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