

RECIPIENT NAME:De Kalb, County of (Inc.)

AWARD NUMBER: NT10BIX5570030

DATE: 02/22/2011

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

### 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>  NT10BIX5570030	<b>3. DUNS Number</b>  029980307
<b>4. Recipient Organization</b>  De Kalb, County of (Inc.) 200 N. Main Street, Ste. 120, Sycamore, IL 60178-1431		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2010	<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>  Ed Harvey	<b>7c. Telephone (area code, number and extension)</b>  8158957125	
	<b>7d. Email Address</b>  eharvey@dekalbcounty.org	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-22-2011	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 Completed and executed Indefeasible Right of Use (IRU) with DeKalb Fiber Optic, LLC.. Started infrastructure construction. Completed and executed agreement with Northern Illinois University Outreach Broadband Development Group to help engineer and integrate new DeKalb Advancement of Technology Authority (DATA) members' existing network into new network architecture. Started surveys of new DATA members to determine equipment needs and physical layout. Executed agreement with State of Illinois for grant to provide substantial portion of local cash share. Started procurement process for participant premise equipment. Drafted and received State's Attorney approval of template Participant (Community Anchor) Agreement. Drafted agreement to be used for node equipment facility owners.

**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	15	Original Baseline indicated 45% at this point which was revised to 15% in Q3. Construction work started later in quarter than expected but progress with anchor institutions and equipment procurement progress has allowed project to keep pace with Q3 updated expectation.
2b.	Environmental Assessment	100	Previously completed
2c.	Network Design	100	Previously completed
2d.	Rights of Way	60	Rights of Way are in place for the segments to be completed in Q5. Work continues to acquire rights of way for work segments to be constructed in future quarters. We had expected to be 100% complete as of Q4 but resources were shifted to mobilizing construction activities.
2e.	Construction Permits and Other Approvals	70	Permits are in-place for segments to be constructed in Q5 and work continues to acquire permits for future quarters. Permits were expected to be 100% complete at this point but construction delayed.
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	15	Network build equipment is either on-site or being shipped. Northern Illinois University Outreach has completed needs surveys at all Community Anchors that are expected to receive fiber in Q5. The procurement process for equipment to be placed at community anchor locations is underway. This equipment is expected to be competitively bid in Q5. Equipment procurement was projected to be 50% complete as of Q4 but construction delayed.
2h.	Network Build (all components - owned, leased, IRU, etc)	1	Completed duct only amounting to 5351 lf. in Q4 in DeKalb. Fiber to be installed starting in Q5. Expected to be 45% at this point but IRU was not signed until late in Q4 which delayed construction from what was projected.
2i.	Equipment Deployment	1	Deployed network build equipment for 11,477 in Q4. Expected to be 40% at this point but delayed due to IRU not signed until late in Q4 which delayed construction from what was projected.
2j.	Network Testing	0	No fiber installed. Expected to be 40% at this point but delayed due to IRU was not signed until late in Q4 which delayed construction from what was projected.
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).**  
 Last quarter we mentioned we did not have an agreement with the State of Illinois yet for a grant to provide a significant share of the local cash match. That issue is resolved: We signed the Grant Agreement with the State of Illinois and received 25% of the State's Grant amount in cash. Resources for Rights-of-Way and permits are in place to acquire rights and permits when they are needed to

keep pace with construction. Equipment procurement process is on-track for equipment acquisition when needed to connect anchors. Network Build scheduled and resources in place to be on-schedule by July and accomplish substantial completion as required. Fiber to be received and installation and connection started in Q5. Final agreement reached in early December and start of construction in late December was not the best timing weather-wise but we did manage to install a mile of duct and get fully mobilized.

**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	1	Underground duct only, no fiber installed.
New network miles leased	0	N/A
Existing network miles upgraded	0	Reflects new fiber to be installed in duct to be contributed by DeKalb Fiber Optic, LLC.
Existing network miles leased	0	Reflects existing fiber to be acquired from Northern Illinois University
Number of miles of new fiber (aerial or underground)	0	No fiber installed.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	Only duct installed in Q4.

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	1
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	3
Average term of signed agreements (in quarters)	20

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

**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:**  
100mb VLAN; 1gb VLAN; wholesale bandwidth; consumer access.

**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).**  
DeKalb Fiber Optic, LLC (Fiber Physical Layer); Vendor  
Northern Illinois University (Electronics and CAI); Vendor/ Sub recipient TBD.

**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	Discussions are continuing with prospective providers.
	Providers with signed agreements receiving improved access	1	Discussions are continuing with other prospective providers.
	Providers with signed agreements receiving access to dark fiber	0	We have been discussing dark fiber with one prospective provider.
	Please identify the speed tiers that are available and the number of subscribers for each	0	Please see response to Q. 5c.
Community Anchor Institutions (including Government institutions)	Total subscribers served	0	There is no fiber installed as of the end of Q4. We had estimated in the baseline report there would be 59 serviced by the end of Q4. Start of work was delayed due to additional time needed for negotiation and drafting of documents.
	Subscribers receiving new access	0	None at this time.
	Subscribers receiving improved access	0	None at this time.
	Please identify the speed tiers that are available and the number or subscribers for each	0	None at this time.
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).  
Project is providing wifi and video surveillance for City of DeKalb central business district.

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	Narrative description of how anchor institutions are using BTOP-funded infrastructure

			institution? (Yes / No)	
N/A	N/A	N/A	N/A	No anchor institutions connected with BTOP funds yet.

**Project Indicators (Next Quarter)**

**1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).**  
 Duct installation amounting to approximately 56,000lf. Fiber installation amounting to approximately 60,000lf. Actively working fiber consisting of 11 miles as of end of Q5. Connection of 10-15 anchor institutions including Brooks Elementary School, DeKalb County Highway Department, Downtown DeKalb Ben Gordon DeKalb locations and Genoa-Kingston Schools (local connections). Procurement of participant premise switching equipment for Q5 community anchors. DeKalb County is working closely with Northern Illinois University to assure that both BTOP projects have interconnection points to create a cohesive network. The DeKalb County grant in partnership with the Northern Illinois University grant will benefit in both network architecture and scalability of delivering services to a wider region. DeKalb County is also working with the IBOP-EC project where enhanced services will be delivered for Illinois Century Network constituents from an interconnection point in DeKalb Illinois at Northern Illinois University. As an ongoing effort to maximize the efforts throughout the State of Illinois, DeKalb County is cooperating with the Partnership for Connected Illinois and providing the necessary information required under their charter.

**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	25	Significant project is projected in Q5. Target was 60% complete at this point but construction delayed due to document preparation.
2b.	Environmental Assessment	100	Previously completed
2c.	Network Design	100	Previously completed
2d.	Rights of Way	65	Finalize rights of way on north part of route. Target was 100% at this point but construction was delayed due to document preparation.
2e.	Construction Permits and Other Approvals	75	Obtain three rail crossing permits needed for Q5 construction. Target was 100% at this point but construction was delayed due to document preparation.
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	33	Purchase premise switching equipment for 10-15 anchors. Target was 75% by Q5 but construction was delayed due to document preparation. Equipment procurement following Network Build.
2h.	Network Build (all components - owned, leased, IRU, etc.)	11	56,000lf of duct and 60,000lf of fiber to be built in Q5. Target was 60% for Q5 but construction was delayed due to document preparation. Contractor will provide additional resources as weather improves to get project on schedule.
2i.	Equipment Deployment	25	Premise and node equipment for north community anchors to be deployed in Q5. Target was 50% for Q5. Equipment deployment is following network build.
2j.	Network Testing	9	For north part of route installed fiber and connected CAI's. Target was 50% for Q5 but delayed due to document preparation. Testing is following network build.
2k.	Other (please specify): N/A	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).**

Weather during the early part of Q5 is always unpredictable and may be a challenge. The contractor has committed to bringing on additional resources in April to get the construction back on target. As we recontact potential Community Anchors, the plans of some have changed and will not now be Anchors. Some additional entities are now interested in becoming Anchors. There will be a need for some route alterations to accommodate these changes. We expect to submit these for review and approval to NTIA in Q5. There is a great concern by the recipient to make sure the vendor/ sub-recipient issues is correctly resolved especially as it relates to post-completion auditing. Finally, our vendor/contractor is committed in terms of resources, procurement and technology to recover the original schedule in order to meet the substantial and final completion deadlines.

**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	\$39,000	\$7,800	\$31,200	\$20,967	\$4,194	\$16,773	\$30,000	\$6,000	\$24,000
b. Land, structures, right-of-ways, appraisals, etc.	\$1,435,485	\$996,922	\$438,563	\$0	\$0	\$0	\$251,000	\$50,200	\$200,800
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$646,480	\$491,145	\$155,335	\$92,500	\$18,500	\$74,000	\$195,000	\$39,000	\$156,000
e. Other architectural and engineering fees	\$45,000	\$9,000	\$36,000	\$0	\$0	\$0	\$5,000	\$10,001	\$4,000
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	\$10,969,239	\$766,223	\$10,203,016	\$0	\$0	\$0	\$1,040,866	\$208,173	\$832,693
j. Equipment	\$1,695,000	\$694,950	\$1,000,050	\$0	\$0	\$0	\$300,000	\$60,000	\$240,000
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$14,830,204	\$2,966,040	\$11,864,164	\$113,467	\$22,694	\$90,773	\$1,821,866	\$373,374	\$1,457,493
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$14,830,204	\$2,966,040	\$11,864,164	\$113,467	\$22,694	\$90,773	\$1,821,866	\$373,374	\$1,457,493

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