

**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
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**4. Recipient Organization**

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>  06-30-2011	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No
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**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>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>  08-08-2011
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**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 Installed 196,733 feet (37.26 miles) of duct and 148,808 feet (28.18 miles) of fiber in Q6. Completed optical path and connected 11 community anchor institutions. Continued on-site engineering for community anchor institutions. Received and inventoried switches to be used by community anchors. Bid, awarded and ordered backbone equipment. Employed 13.91 full time equivalent individuals in construction and administration of project. Project is on schedule to meet substantial completion and final completion deadlines.

**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	29	Baseline predicted 80% completed at this point. The project was behind schedule early due to difficulty getting indefeasible right to use and locating, repair and relocation agreements with DeKalb Fiber Optics, LLC in place. Project has been moving well for last two quarters.
2b.	Environmental Assessment	100	Previously completed. There was no budget for Environmental Assessment therefore the cost of \$89,500 will need to be offset with savings in other areas such as rail and pipeline crossings which are costing less than expected.
2c.	Network Design	100	Previously completed within budget.
2d.	Rights of Way	58	Baseline predicted 100%. The project was behind schedule early due to difficulty getting agreements in place. Difficulty getting right of way (row) agreement for one parcel in Genoa necessitated requesting and receiving a route revision. There are no known row issues with the north or central part of the route. In the south part of the route, the number of landowner and township row agreements needed is greater than anticipated, requiring additional time. Additional personnel and legal resources have been allocated to row acquisition. Row permits are in-hand for State and County Roads. Six of twelve municipal utility agreements are either in-hand or expected soon. We estimate the project will be 100% completed with row by December, 2011 (nine additional months). This is on target with what was predicted in the last report period. Expenditures are expected to be within budget.
2e.	Construction Permits and Other Approvals	80	Baseline predicted 100% at this point. All eighteen rail crossing permits have been submitted; nine have been approved; nine are under review. Expenditures are expected to be within budget.
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	15	Baseline predicted 100%. The project was behind schedule early due to difficulty getting agreements in place. Community anchor switches were received, inventoried and paid in Q2. Backbone equipment was bid and ordered. When backbone equipment is paid (Q8), equipment budget will be 60% spent. Expenditures are expected to be within budget.
2h.	Network Build (all components - owned, leased, IRU, etc)	27	Baseline predicted 80% complete at this point. The project was behind schedule early due to difficulty getting agreements in place. Build has been at a good pace for past two quarters. We estimate the network build will be at 80% between October and November, 2011 (4-5 additional months). Based on detailed construction schedule and estimate provided by contractors. Expenditures are expected to be within budget. Contractor is being paid on a monthly basis from federal and local funds.
2i.	Equipment Deployment	1	Baseline predicted 75% at this point. The project was behind schedule early due to difficulty getting agreements in place. Switches for Community Anchors have been received but not deployed. Backbone equipment has been ordered but not received, deployed or paid.

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2j.	Network Testing	4	Baseline predicted 70% at this point. The project was behind schedule early due to difficulty getting agreements in place. Route change approval process delayed completion of fiber path and testing in Genoa area. We estimate the project will be 75% complete with testing in November, 2011 (five additional months). Based on detailed construction schedule and estimate provided by contractors.
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).**

The project was behind schedule early due to difficulty getting agreements in place but has been making good progress since then. For example, network build has gone from 1% at end of Q4 to current 27% at the end of Q6. Projections for rights of way, construction permits, network build, and testing are based on detailed construction schedule which have been targeted to required substantial completion deadline. Production has exceeded targets during each week in Q6. Community anchor switches have been received and are ready for deployment; backbone equipment is ordered and expected to be received and paid in Q8. Row acquisition for the south part of the route has been a challenge. Our route south and west of Hinckley involves a laborious process of permitting from each township road commissioner as well as the land owner, many of whom own to the center of the road or, in some cases, the entire road. Contractor has provided additional personnel and legal resources to keep the project on schedule. The contractor has moved crews to areas that have row agreements in place so work can continue on schedule.

**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	37	Baseline predicted 95 miles of duct at this point. The project was behind schedule early due to difficulty getting agreements in place. Expect to reach 95 miles in Q8 (4-6 additional months).
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	Reflects existing fiber to be leased from Northern Illinois University. This lease will be part of overall agreement with NIU and is expected in Q8.
Number of miles of new fiber (aerial or underground)	37	Baseline predicted 85 miles of fiber built at this time. The project was behind schedule early due to difficulty getting agreements in place. Expect to have 85 miles of fiber installed by Q8 (4-6 additional months)
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	135	Baseline predicted 285 interconnection points as of now. The project was behind schedule early due to difficulty getting agreements in place. Expect to have 285 interconnection points by Q8 (4-6 additional months).

**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- \$300/mo.  
 - 1Gb VLAN- \$600/ mo.  
 - Wholesale Bandwidth- \$20/Mb/mo.  
 - Consumer Access- \$90/ mo.  
 - Dark fiber- \$750/strand/mile/year

**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 third party operates (600 words or less).**  
 DeKalb Fiber Optics, LLC, (Fiber Physical Layer); Vendor, Dan Halverson (danh@admin.tbc.net)  
 Northern Illinois University, (Electronics and CAI); Vendor, Herb Kuryliw (hkuryliw@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	Baseline predicted 2 at this point. Project will be at baseline in Q8.
	Providers with signed agreements receiving improved access	1	Baseline predicted 2 at this point. Project will be at baseline in Q8.
	Providers with signed agreements receiving access to dark fiber	0	Discussions continuing with several potential dark fiber customers.
	Please identify the speed tiers that are available and the number of subscribers for each	0	See response to Q 6c.
Community Anchor Institutions (including Government institutions)	Total subscribers served	11	Baseline predicted 111 at this point. Project expected to be at baseline in Q9 or Q10.
	Subscribers receiving new access	5	Baseline predicted 70 at this point. Project expected to be at baseline in Q9 or Q10.
	Subscribers receiving improved access	6	Baseline predicted 41 at this point. Project expected to be at baseline in Q9 or Q10.
	Please identify the speed tiers that are available and the number or subscribers for each	11	10 @ 1 Gb; 1 @ 50Mb to date.
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

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 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 will provide wifi and video surveillance for City of DeKalb downtown, fiber back haul system for E-911 emergency radio network and co-location in four telephone company central offices.

**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
DeKalb County Comm. Foundation	Sycamore	Not-For-Profit (Not in application)	No	Transport to ISP
Brooks Elementary School	DeKalb	School	No	Dark Fiber to New DeKalb High School
New DeKalb High School	DeKalb	School	No	Dark Fiber to Brooks School
Sheriff Radio Tower	DeKalb County	County Government/ E-911	No	E-911 Fiber Back Haul System and future E-911 enhancements
Gateway Drive Tower	Sycamore	E-911	No	E-911 Fiber Back Haul System and future E-911 enhancements
County Legislative Center	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses
County Administration Building	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses
County Nursing and Rehab Center	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses
County Health Department	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses
County Outreach Building	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses

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
County Highway Department	DeKalb County	County Government	No	Connection to DATA Network and future diverse data path to remote County campuses

**Project Indicators (Next Quarter)**

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

We expect to pay for 171,500 feet (32.48 miles) of duct and 219,291 feet (41.5 miles) of fiber (53% completed with construction). We expect to complete fiber path to north part of route and connect those community anchors when backbone equipment is received and installed. We will bid and order equipment needed for E-911 fiber back haul equipment.

**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	53	Baseline projected 95%. The project was behind schedule early due to difficulty getting agreements in place. Expect to meet baseline in Q10 (10-12 additional months).
2b.	Environmental Assessment	100	Previously completed.
2c.	Network Design	100	Previously completed.
2d.	Rights of Way	80	Baseline projected 100%. The project was behind schedule early due to difficulty getting agreements in place. Project will be at 100% in Q9.
2e.	Construction Permits and Other Approvals	100	Remaining railroad permits should be received.
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	15	Baseline projected 100%. The project was behind schedule early due to difficulty getting agreements in place. Project will be at 100% in Q10.
2h.	Network Build (all components - owned, leased, IRU, etc.)	53	Baseline predicted 100%. The project was behind schedule early due to difficulty getting agreements in place. Project will be at 100% in Q10.
2i.	Equipment Deployment	1	Baseline projected 100%. The project was behind schedule early due to difficulty getting agreements in place. Project will be at baseline in Q11.
2j.	Network Testing	20	Baseline projected 100%. The project was behind schedule early due to difficulty getting agreements in place. Project will be at baseline in Q10.
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).**

Any ROW issues that cannot be resolved with the landowners may require minor route changes. All efforts are being made to maintain the approved route.

**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	\$32,907	\$6,582	\$26,325	\$39,917	\$7,984	\$31,933
b. Land, structures, right-of-ways, appraisals, etc.	\$1,435,485	\$996,922	\$438,563	\$830,119	\$523,504	\$306,615	\$1,158,544	\$802,778	\$355,766
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	\$178,470	\$73,830	\$104,640	\$293,470	\$179,390	\$114,080
e. Other architectural and engineering fees	\$45,000	\$9,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0
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	\$2,977,699	\$189,185	\$2,788,514	\$6,040,239	\$403,563	\$5,636,676
j. Equipment	\$1,695,000	\$694,950	\$1,000,050	\$260,167	\$106,668	\$153,499	\$340,167	\$139,468	\$200,698
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	\$4,279,362	\$899,769	\$3,379,593	\$7,872,337	\$1,533,183	\$6,339,153
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	\$4,279,362	\$899,769	\$3,379,593	\$7,872,337	\$1,533,183	\$6,339,153

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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