

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 NT10BIX5570030	3. DUNS Number 029980307
4. Recipient Organization De Kalb, County of (Inc.) 200 N. Main Street, Ste. 120, Sycamore, IL 60178-1431		
5. Current Reporting Period End Date (MM/DD/YYYY) 09-30-2011	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No	
7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.		
7a. Typed or Printed Name and Title of Certifying Official Ed Harvey	7c. Telephone (area code, number and extension) 8158957125	
	7d. Email Address eharvey@dekalbcounty.org	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 11-14-2011	

Project Indicators (This Quarter)			
<p>1. Please describe significant project accomplishments completed during this quarter (600 words or less). Installed 115,000 feet (21.78 miles) of duct and 120,374 feet (22.8 miles) of fiber in Q7. Bid E-911 fiber back haul equipment. Continued on-site engineering of Community Anchor Institutions including holding meetings with agencies representing 161 possible connections to-date. Community anchor engineering is being conducted with Villages, Libraries and other municipalities at this point. Continued efforts to obtain row agreements with landowners on the south portion of the project. Obtained connection to Northern Illinois Technology Triangle. Contacted all county fire districts about project. Employed 14.95 full time equivalent individuals in construction and administration of the project. Project is on schedule to meet substantial completion and final completion deadlines.</p>			
<p>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).</p>			
	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	47	Baseline predicted 95% complete at this point. The project was behind schedule early due to getting indefeasible right to use agreement and locating, repair and relocation agreements with DeKalb Fiber Optics in place. Project has been moving well past three quarters showing completion percentages of 20, 29 and 47 percent respectively. The budget for the project overall is within parameters.
2b.	Environmental Assessment	100	Previously completed. There was no budget for environmental assessment included in the project, therefore the \$89,500 cost for the environmental assessment must be offset with savings in other areas. The costs for rail and pipeline crossings are expected to be less than budgeted.
2c.	Network Design	100	Previously completed within budget.
2d.	Rights of Way	70	Baseline predicted 100%. The project was behind schedule early due to difficulty getting agreements in place. 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. Despite best efforts, we are forced to request a route revision to avoid properties whose owners either will not agree, refuse to negotiate or insist on being paid for the row. Row permits are in-hand for State and County Roads. Eight of fourteen municipal utility agreements are either in-hand or expected soon and the others are in active negotiation/ approval process. We estimate the row acquisition will be 100% completed with row by April, 2012 (twelve additional months). This assumes route change is approved by 1/1/12. Expenditures are expected to be within budget.
2e.	Construction Permits and Other Approvals	90	Baseline predicted 100% at this point. All eighteen rail crossing permits are approved and in-hand; one of one interstate highway crossing permit is approved and in-hand. No other construction permits are expected to be needed. We will continue to pay for permit expenses into Quarter 8 as construction activities covered under the approved permits are completed.
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	17	Baseline predicted 100%. The project was behind schedule early due to difficulty getting agreements in place. Fiber back haul equipment for E-911 system was bid in Q3. When backbone equipment is paid (Q8), equipment budget will be 60% spent. Still need to order GPON and downtown wireless equipment. Expenditures are expected to be within budget. Expect to be at 100% in Q11 (12 additional months).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2h.	Network Build (all components - owned, leased, IRU, etc)	50	Baseline predicted 100% 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 three quarters. We estimate the approved network build will be at 100% in June, 2012 (9-12 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 100% at this point. The project was behind schedule early due to difficulty getting agreements in place. Switches for Community Anchors have been received and configuration started but not deployed. Backbone equipment has been ordered and 50% received; it has not been deployed or paid. Fiber back haul equipment has been bid but not awarded, deployed or paid. Deployment of backbone and anchor switches equipment will start in Q8. Backbone deployment will be complete in Q10 (nine additional months) and anchor switch deployment will continue through Q11 (twelve additional months).
2j.	Network Testing	4	Baseline predicted 100% 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 and row acquisition delayed construction (and testing) in south part of route. We estimate the project will be 100% complete with testing in Q10 (nine 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 50% at the end of Q7. 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 slowed in Q6 due to ROW acquisition issues. Community anchor switches have been received and are ready for deployment; backbone equipment is ordered and expected to be fully 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. A route change is being requested to allow us to reach the Community Anchors in some areas of the south county. The contractor has moved crews to areas that have row agreements in place so work can continue.

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	54	Baseline predicted 120 at this point. The project was behind schedule early due to difficulty getting agreements in place. Expect to reach 120 miles in Q9 (4-6 additional months).
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	Fiber to be leased from Northern Illinois University. Agreement expected to be approved in Q8
Number of miles of new fiber (aerial or underground)	54	Baseline predicted 115 miles of fiber at this point. The project was behind schedule early due to difficulty getting agreements in place. Expect to have 115 miles installed in Q9 (4-6 additional months).
Number of new wireless links	0	N/A

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	160	Baseline predicted 343 interconnection points installed by now. The project was behind schedule early due to difficulty getting agreements in place. Expect to have 343 interconnection points installed by Q10 (7-9 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	1
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).

Fiber Physical Layer: DeKalb Fiber Optics, LLC, Vendor,Dan Halverson, (danh@admin.tbc.net). DeKalb Fiber is operating 68 fibers for economic development and providing locating, maintenance and repair for the DeKalb County's 76 fibers.

Electronics, Network Operations and CAI's: Northern Illinois University, 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 3 at this point. Project will be at baseline in Q8
	Providers with signed agreements receiving improved access	1	Baseline Predicted 3 at this point. Project will be at baseline in Q8
	Providers with signed agreements receiving access to dark fiber	0	There is good interest in dark fiber from the commercial and economic development perspective.
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Community Anchor Institutions (including	Total subscribers served	11	Baseline predicted 111 at this point. Project expected to be at baseline in Q10.

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Government institutions)			
	Subscribers receiving new access	5	Baseline predicted 70 at this point. Project expected to be at baseline in Q10.
	Subscribers receiving improved access	6	Baseline predicted 40 at this point. Project expected to be at baseline in Q10.
	Please identify the speed tiers that are available and the number or subscribers for each	11	10 @ 1Gb, 1 @50Mbps.
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 will provide wifi and video surveillance for City of DeKalb downtown; fiber back haul for County-wide E-911 system; and colocation 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 Community 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

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
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 Nursing and Rehab 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 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
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).
 Plan to install 73,500 feet (13.92 miles) of duct making total duct 89.2 miles and 138,336 feet (26.2 miles) of fiber in Q8, making total fiber installed 80.2 miles by the end of Q8; Plan to connect all Anchors on north part of the route (10-15 new connections) resulting in 21-26 total connections by the end of Q8 including anchor switching equipment; Plan to receive all backbone equipment and deploy that needed to light the north part of the route; Plan to award the E-911 fiber back haul equipment purchase; Plan to finalize the agreement with Northern Illinois University providing for lease of 12 strands over 10 miles; plan to receive remainder of in-kind donation of duct from DeKalb Fiber Optics, LLC on Peace Road; plan to finalize one additional last mile provider agreement in Q8 resulting in a total of 4 signed agreements.

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	70	Baseline predicted 98% complete at this point. Expect to meet baseline in Q10 (10-12 additional months). Expect to have 80.2 network miles installed by end of Q8.
2b.	Environmental Assessment	100	Previously completed.
2c.	Network Design	100	Previously completed.
2d.	Rights of Way	80	Baseline predicted 100% at this point. We will continue to acquire ROW where we can but the completion of ROW will depend on route change approval. Assuming ROW will not be 100% until Q9.
2e.	Construction Permits and Other Approvals	100	All costs associated with permits should be paid by the end of Q8
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	60	Baseline predicted 100% at this point. We will pay for the backbone equipment in Q8. Will meet baseline in Q10.
2h.	Network Build (all components - owned, leased, IRU, etc.)	70	Baseline predicted 100%. We will be 67% complete on constructed network and 100% complete on leased and IRU's by the end of Q8. Due the ROW issues, we probably won't meet baseline until Q10.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2i.	Equipment Deployment	25	Baseline predicted 100%. By the end of Q8, we plan to have 33% of the backbone equipment and 33% of the community anchor switches deployed. Still need to deploy downtown wireless, fiber back haul and GPON, as well as balance of backbone and community anchor switches. Baseline will be met in Q11.
2j.	Network Testing	40	Baseline predicted 100%. We will continue test the completed segments in Q8. 70% of the build should be completed by the end of the quarter and approximately 80% should be tested. Baseline will be reached 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).

Right of Way acquisition is the biggest challenge to the project at this point. We are working with the program officials to resolve these issues so we can serve the intended Community Anchors.

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	\$39,761	\$7,953	\$31,808	\$47,440	\$9,497	\$37,943
b. Land, structures, right-of-ways, appraisals, etc.	\$1,435,485	\$996,922	\$438,563	\$951,299	\$533,198	\$418,101	\$1,572,877	\$953,296	\$619,581
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	\$310,928	\$206,288	\$104,640	\$377,832	\$273,192	\$104,640
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	\$5,406,021	\$359,168	\$5,046,854	\$7,373,161	\$496,868	\$6,876,293
j. Equipment	\$1,695,000	\$694,950	\$1,000,050	\$280,698	\$115,086	\$165,612	\$1,040,718	\$426,706	\$614,012
k. Miscellaneous									
l. SUBTOTAL (add a through k)	\$14,830,204	\$2,966,040	\$11,864,164	\$6,988,707	\$1,221,693	\$5,767,015	\$10,412,028	\$2,159,559	\$8,252,469
m. Contingencies									
n. TOTALS (sum of l and m)	\$14,830,204	\$2,966,040	\$11,864,164	\$6,988,707	\$1,221,693	\$5,767,015	\$10,412,028	\$2,159,559	\$8,252,469

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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