

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

AWARD NUMBER: NT10BIX5570030

DATE: 03/08/2012

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

ANNUAL 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) 12-31-2011	6. Is this the last Annual 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): 03-08-2012	

OVERALL PROJECT PERFORMANCE INDICATORS

1. Please provide the following average cost figures for your project. Please review the instructions to determine how to calculate these figures. Write "0" in the second column and "N/A" in the third column if your project does not yet have this information. Depending on whether your project contains Middle Mile and/or Last Mile components, some metrics may not apply. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Cost Indicator	Average Cost / Speed	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Average cost per new mile (Middle Mile)	\$90,077	4.09 miles in service @ total cost of \$368,414. This is the same cost as we provided in our application and upon which the construction budget is based.
Average cost per household passed (Last Mile)	0	N/A
Average cost per subscriber (Last Mile)	0	N/A
Maximum broadband speed advertised (Middle Mile)	10Gb	Available within networks, rings and dark fiber.
Maximum broadband speed advertised (Last Mile)	0	N/A
Average broadband speed provided (Middle Mile)	683Mb	Two customers (three locations) active for which our project is not the ISP for eany. Project is providing transport only at 50Mb for one and other has two locations running at 1 Gb. $50+1000+1000= 2050/3= .683$ Gb
Average broadband speed provided (Last Mile)	0	N/A

2. Please provide each facility name and type, the county where the facility is located, and census tract information for any facilities funded by your project during this annual reporting period. Report only facilities for which construction has been completed.

Facility Identifier / Name	Facility Type	County	Census Tracts
N/A	N/A	N/A	N/A

Add Facility

Remove Facility

3. Please identify (1) the total number of interconnection, peering, and/or transit agreements entered into during this annual reporting period; (2) the total number of agreements of each type that you are currently negotiating; and (3) whether you have denied any request for interconnection and if so, why. If you have not entered into any agreements, please write "N/A."

Interconnection Agreements (600 words or less)

1. None entered into. 2. We are in discussions with four ISP's to provide service over the BTOP funded network 3. We have not denied any requests for interconnection.

Peering and Transit Agreements (600 words or less)

1. Entered into peering agreement with DNA Communications for collocation space in four telephone central offices. 2. Currently negotiating agreement with Northern Illinois University for peering location at Network Operation Center. Draft agreement is currently in University administrative review process. 3. We have not denied any requests for interconnection.

CAPACITY, UTILIZATION, AND CAPABILITY INDICATORS

4. Community Anchor Institutions: In the chart below, please provide information on the types of community anchor institutions capable of receiving service (i.e., anchor institutions connected to your network plus those passed by your network) as a result of BTOP funds.

Type of Community Anchor Institution	Total Number Within Service Area	Type of Community Anchor Institution	Total Number Within Service Area
Schools (K-12)	38	Public Housing	1
Libraries	13	Other Institutions of Higher Education	4
Medical and Healthcare Providers	8	Other Community Support Organizations	1
Public Safety Entities	7	Other Government Facilities	24
Community Colleges	1	Total Community Anchor Institutions	97

5. Please indicate the average increase in broadband speed provided to the community anchor institution customers as a result of your project, including a description of how this increase was calculated (600 words or less).

For the three connections mentioned in Q1, two were using a wireless connection @ 20Mb and was increased to 1 Gb (increase of 980 Mb). The third connection was using a wireless connection @ 768 Kb and was increased to 50Mb (increase of 49.232Mb). $2 \times 980\text{Mb} + 49.232\text{Mb} = 2,009.232 / 3 =$ average increase in speed of 669.744 Mb.

6. What retail services are being provided by this project? Please describe below. (600 words or less). As an attachment to this report, please provide pricing plans (in \$ per month) associated with each retail service. Retail services description:

None

7a. What network management policies (e.g., bandwidth limitations, traffic prioritization) are in place for the services provided by your project? 7b. Have you ever limited or blocked consumers from accessing any lawful content, service, service provider, or application, or prevented any consumers from attaching any legal device to the network? If so, please explain why (300 words or less)?

Network policies based on port speed system will use protocols PPB-TE and IEEE 802.1Q with IP for prioritizing network traffic.

8. If applicable, please provide the total number and the percentage of subscribers who have dropped the broadband service provided through this project (total number of households and/or businesses and the "churn rate") and the subscribers' reasons for discontinuing their service (600 words or less).

None

9. Please provide the following information regarding the number of fiber strand-miles:

Total Number of Strand-miles	Total Number of Active Fiber Strand-miles Used by Recipient	Total Number of Leased Fiber Strand-miles	Total Number of Dark Fiber Strand-miles	Total Number of Strand-miles Being Built		
				Active	Leased	Dark
19,034	8	5,717	6,525	1,790	3,203	1,791

10. If you wholesale dark fiber, please list your wholesale customers and the number of fiber miles you currently are leasing to those customers:

DeKalb Fiber Optics. LLC is being provided, via IRU, 68 strands of fiber throughout the system for economic development purposes. Dekalb Fiber Optics has, in turn, has to-date subleased more than 45 strand miles for economic development including providing service to an underserved community wireless network previously providing service to approximately 35 residents via a 3Mbps connection. The new connection is running at 50 Mbps, more than a 16 fold increase in speed.

11. Please provide the following information regarding the facility collocation capacity:

Total Facility (total square feet for all facilities)	Number of Square Feet Used by Recipient	Number of Square Feet Leased	Number of Square Feet Available
0	0	0	0

12. If you do not own collocation space, please describe how and where other network providers and/or customers interconnect with your network (600 words or less).

The project has access to collocation rack space in four telephone central offices and has a presence in the Northern Illinois University Network Operations Center and indirectly in the Northern Illinois University Central Office. In addition, interconnection also can be provided at any of more than 300 hand holes provided as a part of the project.

13. To the extent that you have made any subcontracts or sub grants, please provide the number of subcontracts or sub grants that have been made to socially and economically disadvantaged small business (SDB) concerns as defined by section 8(a) of the Small Business Act, 15 U.S.C. 647, as modified by NTIA's adoption of an alternative small business size standard for use in BTOP. Please also provide the names of these SDB entities (150 words or less).

None by the recipient. Sub-Awards have been made by the contractor, DeKalb Fiber Optics, to two Women's Business Enterprises: 1) B and C Distribution dba R-BOC Representatives and KGP Telecommunications, Inc.

14. Please describe any best practices/lessons learned that can be shared with other similar BTOP projects (900 words or less).

All duct used in the project contains multiple sub-ducts that allow additional cable to be installed in the future of needs dictate with minimal ground disturbance.

15. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide an updated list of Community Anchor Institutions (CAIs) that you have connected and plan to connect to your network.

16. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide a list of community pairs that are receiving new or improved broadband service as a result of BTOP grant funds.

17. Please provide up-to-date network route maps in a single file, in a Google Earth compatible format (e.g., KMZ file).