

RECIPIENT NAME:Northern Illinois University, Inc.

AWARD NUMBER: NT10BIX5570144

DATE: 04/02/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

## ANNUAL 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>  12-31-2012	<b>6. Is this the last Annual 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>  04-02-2013	

**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)	64,662	This cost is lower than baseline primarily due to the fact that completed mileage to date is more heavily weighted toward plow miles. The remaining miles to be built are mainly bore which will shift the average up as we near completion.
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)	10 gig	n/a
Maximum broadband speed advertised (Last Mile)	0	n/a
Average broadband speed provided (Middle Mile)	100 mb	n/a
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
none	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)**

N/A

**Peering and Transit Agreements (600 words or less)**

N/A

**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)	180	Public Housing	5
Libraries	47	Other Institutions of Higher Education	4
Medical and Healthcare Providers	61	Other Community Support Organizations	8
Public Safety Entities	71	Other Government Facilities	106
Community Colleges	7	Total Community Anchor Institutions	489

**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).**

In general, our CAIs will transition from around 1.54 to 4.5 mb on T-1 lines with a small percent on connections with speeds that can go up to 20 mb. The new installation for CAIs will be 1 gig increasing speeds on average of 995 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:**

N/A

**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 will use protocol PBB-TE and IEEE 802.1Q with IP 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).**

N/A

**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
89,678	0	571	60,084	16,226	13,368	60,084

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

N/A

**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 co-location rack space in 36 CAI locations where space was available. Some facilities are willing to lease space where available to other entities. For access to the iFiber equipment, interconnections also can be provided through hand hole locations that are within 1500' of any facilities along an intra-municipal route or 4000' along a rural route.

**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).**

N/A

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

All duct in the project contains multiple sub-ducts that allow additional cable to be installed during the project and the future. This reduced the costs overall to the project in helping to centralize splice locations and reducing the overall splicing. The duct reserves future capabilities without ground disturbance when adding fiber to the system. This will reduce future costs to the project as we move past the grant period.

**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).**