

RECIPIENT NAME:Charlotte, City of  
AWARD NUMBER: NT10BIX5570088  
DATE: 02/24/2014

OMB CONTROL NUMBER: 0660-0037  
EXPIRATION DATE: 6/30/2015

### 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>  NT10BIX5570088	<b>3. DUNS Number</b>  071064166
<b>4. Recipient Organization</b>  Charlotte, City of 600 East Fourth Street , Charlotte, NC 28202-2816		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2013	<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>  Rob Nix	<b>7c. Telephone (area code, number and extension)</b>  7043362917	
	<b>7d. Email Address</b>  rpnix@ci.charlotte.nc.us	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-24-2014	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 During the fourth quarter of 2013, the City of Charlotte was engaged in two primary activities.  
 1. Termination of obligations associated with the original grant to deploy a Long Term Evolution (LTE) broadband infrastructure for public safety network.  
 2. Restructure the project activities in keeping with original grant purpose to improve Public Safety broadband infrastructure.

As a result of these two activities the City of Charlotte:  
 1. Successfully ended agreements with the primary deployment vendor and several tower lease agreements against the original LTE project.  
 2. Successfully submitted a restructured "go forward" project plan for the balance of the grant funds which includes  
 a. Repurpose of microwave equipment acquired from the original LTE project.  
 b. Improve Charlotte's outdated & end-of-life Public Safety Network Infrastructure to support future broadband network capacity & speeds.  
 c. Improve Charlotte's outdated & end-of-life Public Safety Vehicular Routers and End User Devices to make use of future broadband network capacity & speeds.  
 3. Obtained approval and an extension to the grant performance period to begin its restructured effort.  
 4. Obtained approval to lift the partial suspension placed upon Charlotte grant under the original deployment plan.

**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	25	Project was under suspension most of this period. See 2d. note below.
2b.	Environmental Assessment	95	Project was under suspension most of this period.
2c.	Network Design	100	No variance
2d.	Rights of Way	49	Dropped because Tower Lease payments were refunded as per contract when lease agreements under LTE deployment were terminated.
2e.	Construction Permits and Other Approvals	4	Project was mostly under suspension this period.
2f.	Site Preparation	0	No variance
2g.	Equipment Procurement	13	Project was under suspension most of this period.
2h.	Network Build (all components - owned, leased, IRU, etc)	0	Project was under suspension most of this period.
2i.	Equipment Deployment	0	Project was under suspension most of this period.
2j.	Network Testing	0	Project was under suspension most of this period.
2k.	Other (please specify): a:Admin & Legal	100	accrued as a result of repeated RFP process and project suspension

**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).**  
 None.

**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	0	Project was under suspension most of this period.
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	0	N/A
Number of new wireless links	0	Project was under suspension most of this period.
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	Project was under suspension most of this period.

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	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	0

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:  
N/A

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:  
N/A

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).  
N/A

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	N/A
	Providers with signed agreements receiving improved access	0	N/A
	Providers with signed agreements receiving access to dark fiber	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
Community Anchor Institutions (including Government institutions)	Total subscribers served	0	Project was under suspension most of this period.
	Subscribers receiving new access	0	Project was under suspension most of this period.
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	Network not operational
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).

N/A

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

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
N/A	N/A	N/A	N/A	N/A

**Project Indicators (Next Quarter)**

**1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).**  
 During the first quarter of 2014, the City of Charlotte plans to accomplish to following:

1. Complete an approved Route Modification plan and an approved Re-Budget for the approved restructured project.
2. Acquire necessary staffing to manage, architect, secure and plan deployment approach and detail efforts.
3. Define and Acquire and critical path network components consider as highest priority in the deployment approach
4. Evaluate RFQ responses from vendors fro the Dual Band routers.
5. Expect to closeout the original Alcatel-Lucent (ALU) contract.  
 Therefore the payout for partially completed milestones will reflect significant cost in the milestones and budget narratives below.

**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	47	Projections may not reflect accurately due to a Project restructure and future re-budget.
2b.	Environmental Assessment	95	Projections may not reflect accurately due to a Project restructure and future re-budget.
2c.	Network Design	100	No Variance
2d.	Rights of Way	65	Projections may not reflect accurately due to a Project restructure and future re-budget. Reflects substantial increases from ALU closeout.
2e.	Construction Permits and Other Approvals	4	Projections may not reflect accurately due to a Project restructure and future re-budget.
2f.	Site Preparation	0	No Variance
2g.	Equipment Procurement	25	Projections may not reflect accurately due to a Project restructure and future re-budget. Reflects substantial increases from ALU closeout.
2h.	Network Build (all components - owned, leased, IRU, etc.)	0	Projections may not reflect accurately due to a Project restructure and future re-budget.
2i.	Equipment Deployment	0	Projections may not reflect accurately due to a Project restructure and future re-budget.
2j.	Network Testing	50	Projections may not reflect accurately due to a Project restructure and future re-budget. Reflects substantial increases from ALU closeout.
2k.	Other (please specify): a:Admin & Legal	100	Accrued as a result of repeated RFP process and project suspension Reflects substantial increases from ALU closeout.

**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).**

1. Reviewing Route Modification and Re-budget submission for assistance in approval.
2. Qualifications/testing and pricing for a dual band router that meets Charlotte and FirstNet's requirements will be a challenge.

### 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	\$1,284,094	\$469,600	\$814,494	\$1,266,065	\$623,294	\$642,771	\$1,645,822	\$633,000	\$1,012,822
b. Land, structures, right-of-ways, appraisals, etc.	\$2,123,797	\$520,159	\$1,603,638	\$1,048,759	\$583,690	\$465,069	\$1,380,142	\$583,690	\$796,452
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$859,911	\$0	\$859,911	\$495,775	\$0	\$495,775	\$524,836	\$0	\$524,836
e. Other architectural and engineering fees	\$920,857	\$0	\$920,857	\$828,114	\$0	\$828,114	\$920,857	\$0	\$920,857
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$5,990,044	\$0	\$5,990,044	\$380,695	\$0	\$380,695	\$2,826,170	\$0	\$2,826,170
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
j. Equipment	\$9,576,630	\$3,400,195	\$6,176,435	\$1,271,095	\$0	\$1,271,095	\$2,388,937	\$769,751	\$1,619,186
k. Miscellaneous	\$337,110	\$0	\$337,110	\$0	\$0	\$0	\$170,607	\$0	\$170,607
<b>l. SUBTOTAL (add a through k)</b>	<b>\$21,092,443</b>	<b>\$4,389,954</b>	<b>\$16,702,489</b>	<b>\$5,290,503</b>	<b>\$1,206,984</b>	<b>\$4,083,519</b>	<b>\$9,857,371</b>	<b>\$1,986,441</b>	<b>\$7,870,930</b>
m. Contingencies									
<b>n. TOTALS (sum of l and m)</b>	<b>\$21,092,443</b>	<b>\$4,389,954</b>	<b>\$16,702,489</b>	<b>\$5,290,503</b>	<b>\$1,206,984</b>	<b>\$4,083,519</b>	<b>\$9,857,371</b>	<b>\$1,986,441</b>	<b>\$7,870,930</b>

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