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** NT10BIX5570088	**3. DUNS Number** 071064166

4. Recipient Organization

Charlotte, City of 600 East Fourth Street
, Charlotte, NC 28202-2816

5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2014	**6. Is this the last Report of the Award Period?** ◯ Yes ⦿ 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 Nelson Baker Project Manager	**7c. Telephone (area code, number and extension)** 7043364435
	7d. Email Address Nelson.Baker@MecklenburgCountyNC.gov
7b. Signature of Certifying Official Submitted Electronically	**7e. Date Report Submitted (MM/DD/YYYY):** 02-11-2015

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).

Significant project accomplishments during the fourth quarter of 2014 include the following:
• Completed the Myers Street Data Center implementation of upgraded Internet infrastructure network security and completed the equipment installation at the Police Fire Training Academy (PFTA) Data Center. (2) Data Centers.
• Received, configured and implemented network infrastructure equipment at 6 Police Divisions within the City of Charlotte.
• Received, configured and implemented network infrastructure equipment at 21 Fire Stations within the City of Charlotte.
• Received, configured and deployed 4G dual band trunk mounted routers, antennas and vehicle laptops in 336 Police vehicles.
• Received, configured and deployed 4G dual band trunk mounted routers, antennas and vehicle laptops in 42 Fire vehicles.

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	70	Project was restructured and grant extended to 9/30/15.
2b.	Environmental Assessment	100	Project was restructured with no outside construction planned.
2c.	Network Design	100	Project was restructured and no longer building an LTE network.
2d.	Rights of Way	100	Not a part of the restructured project.
2e.	Construction Permits and Other Approvals	100	Project was restructured with no outside construction planned.
2f.	Site Preparation	76	Project was restructured and grant extended to 9/30/15.
2g.	Equipment Procurement	59	Project was restructured and grant extended to 9/30/15.
2h.	Network Build (all components - owned, leased, IRU, etc)	0	Project was restructured and no longer building an LTE network.
2i.	Equipment Deployment	40	Project was restructured and grant extended to 9/30/15.
2j.	Network Testing	100	Project was restructured and no longer building an LTE network.
2k.	Other (please specify): a: Admin & Legal	89	Project was restructured and grant extended to 9/30/15.

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 Restructured.
New network miles leased	0	N/A.
Existing network miles upgraded	0	N/A.
Existing network miles leased	0	N/A.

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Number of miles of new fiber (aerial or underground)	0	N/A.
Number of new wireless links	0	Project Restructured.
Number of new towers	0	N/A.
Number of new and/or upgraded interconnection points	0	Project Restructured.

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.
	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**	29	Project Restructured.

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Subscribers receiving new access	0	Project Restructured.
	Subscribers receiving improved access	29	Project Restructured.
	Please identify the speed tiers that are available and the number or subscribers for each	29	<10Mb
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
CoC Myers Street Data Center	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
PFTA Data Center	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 2	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.

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
Fire Station 3	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 5	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 10	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 12	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 14	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 15	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 17	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 22	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 23	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 27	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 28	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 29	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 30	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 31	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 34	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 35	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 36	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 40	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 41	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
Fire Station 42	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
CMPD Hickory Grove Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
CMPD North Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
CMPD Westover Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
CMPD Freedom Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.
CMPD Independence Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.

CMPD University Division	Charlotte	Public Safety	No	Improve Broadband capability to support public safety.

| **Project Indicators (Next Quarter)** |||||

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

Significant project accomplishments planned to be completed by the end of the first quarter of 2015 include the following:
• Receive, configure and implement network infrastructure equipment at 7 Police Divisions bringing total to 13 Divisions completed.
• Receive, configure and implement network infrastructure equipment at 20 Fire Stations bringing total to 41 Stations completed.
• Receive, configure and deploy 4G dual band trunk mounted routers, antennas and vehicle laptops in approximately 400 Police vehicles.
• Receive, configure and deploy 4G dual band trunk mounted routers, antennas and vehicle laptops in approximately 100 Fire vehicles.

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	82	Project was restructured and grant extended to 9/30/15.
2b.	Environmental Assessment	100	Project was restructured and no outside construction planned.
2c.	Network Design	100	Project was restructured and no longer building LTE network.
2d.	Rights of Way	100	Not a milestone in the restructured project.
2e.	Construction Permits and Other Approvals	100	Project was restructured and no outside construction planned.
2f.	Site Preparation	82	Project was restructured and grant extended to 9/30/15.
2g.	Equipment Procurement	76	Project was restructured and grant extended to 9/30/15.
2h.	Network Build (all components - owned, leased, IRU, etc.)	0	Project was restructured and no longer building LTE network.
2i.	Equipment Deployment	70	Project was restructured and grant extended to 9/30/15.
2j.	Network Testing	100	Project was restructured and no longer building LTE network.
2k.	Other (please specify): a: Admin & Legal	92	Project was restructured and grant extended to 9/30/15.

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).

None.

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.

Cost Classification	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		
	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	$2,190,225	$881,533	$1,308,692	$1,953,304	$910,401	$1,042,903	$2,018,000	$950,000	$1,068,000
b. Land, structures, right-of-ways, appraisals, etc.	$1,048,760	$583,690	$465,070	$1,048,760	$583,690	$465,070	$1,048,760	$583,690	$465,070
c. Relocation expenses and payments	$0	$0	$0	$0	$0	$0	$0	$0	$0
d. Architectural and engineering fees	$1,400,107	$0	$1,400,107	$1,401,107	$0	$1,401,107	$1,401,107	$0	$1,401,107
e. Other architectural and engineering fees	$2,048,113	$0	$2,048,113	$1,289,918	$0	$1,289,918	$1,610,000	$0	$1,610,000
f. Project inspection fees	$0	$0	$0	$0	$0	$0	$0	$0	$0
g. Site work	$2,797,023	$0	$2,797,023	$2,127,915	$0	$2,127,915	$2,300,000	$0	$2,300,000
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	$11,188,208	$2,924,730	$8,263,478	$6,580,831	$2,133,726	$4,447,105	$8,540,000	$2,390,000	$6,150,000
k. Miscellaneous	$420,007	$0	$420,007	$326,816	$0	$326,816	$420,000	$0	$420,000
l. SUBTOTAL (add a through k)	$21,092,443	$4,389,953	$16,702,490	$14,728,651	$3,627,817	$11,100,834	$17,337,867	$3,923,690	$13,414,177
m. Contingencies									
n. TOTALS (sum of l and m)	$21,092,443	$4,389,953	$16,702,490	$14,728,651	$3,627,817	$11,100,834	$17,337,867	$3,923,690	$13,414,177

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