

**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>  NT10BIX5570157	<b>3. DUNS Number</b>  830149840
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**4. Recipient Organization**

Adams County Communications Center, Inc. 7321 Birch Street, Commerce City, CO 80022-1446

<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  09-30-2011	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No
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**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>7a. Typed or Printed Name and Title of Certifying Official</b>  Brian Shepherd	<b>7c. Telephone (area code, number and extension)</b>  3032277124
	<b>7d. Email Address</b>  bshepherd@adcom911.org

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  11-15-2011
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**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 During the third quarter of 2011 ADCOM made significant steps toward the LTE system development. The contract with Raytheon Corporation was signed in July and immediately began working on the overall network design. The initial draft of the network design was completed in late July and all equipment required for the eNodeB and EPC site(s) were ordered. ADCOM received the EPC equipment beginning in late August and an initial eNodeB in September. By the end of September, ADCOM had successfully completed an "Initial Capability" test in which we were able to transfer data through the system to a laptop using a USB dongle UE device. Additionally, we successfully tested the basic functionality of our CAD application through the network and successfully testing the process of failing over from our network to a commercial network using middleware software. In addition to the wireless activities, ADCOM continued to install the equipment required to activate the existing fiber-optic infrastructure to serve as the backbone of the backhaul network. ADCOM also began the site construction and tower strengthening work that will be required for the eNodeB sites.

**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	26	No Variance
2b.	Environmental Assessment	100	No Variance
2c.	Network Design	90	No Variance
2d.	Rights of Way	90	The right of way agreement for our last fiber-optic installation has been agreed upon in principle and awaits final passage by the appropriate governing bodies.
2e.	Construction Permits and Other Approvals	80	Due to the changes in the sites from the initial grant ADCOM has had to work with the various entities to ensure final installation agreements are met. We have completed a majority of these agreements and will be making final submissions to the proper zoning/approval boards during the next quarter.
2f.	Site Preparation	20	Due to the delays in the EA process ADCOM was not able to begin site work as anticipated. Now that the FONSI has been received we are working to catch up on this aspect of the project. We have ordered all required equipment and selected the contractors to perform the required work. We do not expect this work to delay the project and will be ready to install the eNodeB sites beginning in the Spring of 2012.
2g.	Equipment Procurement	19	Though the dollar amounts do not reflect it, ADCOM has procured almost all equipment required for the network development. In the initial budget, ADCOM was forced to estimate the charge breakdown between equipment and services. Based on the submitted bids, and finalized contract we underestimated the services cost and overestimated the equipment costs. We have submitted a reprogram/rebudget request to correct this issue.
2h.	Network Build (all components - owned, leased, IRU, etc)	10	Due to delays in the EA process and securing the necessary agreements we were unable to begin fiber construction or initialization of existing fiber. All issues have been resolved and we are making progress and do not expect delays to the overall project.
2i.	Equipment Deployment	15	Due to delays in the EA process we were unable to install equipment at key facilities to begin the fiber network deployment. All issues have been resolved and we are making progress and do not expect delays to the overall project.
2j.	Network Testing	0	No Variance
2k.	Other (please specify):	0	No Variance

**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).**

As mentioned, ADCOM submitted a reprogram/rebudget request to reflect changes to cost categories now that the final LTE contract has been signed. We anticipate these revised budgetary numbers will reflect the actual progress better. Additionally, there are key changes to the implementation in our contract to those anticipated in the Initial Baseline report; however, the project is anticipated to go live during the Spring of 2012, before the final deadline.

In regards to the discrepancy in the Activity Based Expenditures section 1d, ADCOM had anticipated the tower studies commissioned (for approx. \$15,000) to be invoiced during this quarter. While the work was done, ADCOM 911 had not received an invoice as of September 30th, therefore, showed no expenditures. Based on the initial report, we anticipate the required tower strengthening to take place during the last quarter of the year, and expending the \$75,000 allocated. There is a chance, with difficult weather, that the work will not be full completed during the quarter.

**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	Based on changes in NTIA guidelines, existing dark fiber that was being utilized is now considered upgraded fiber rather than new deployment. See Existing miles upgraded for additional details on fiber deployment.
New network miles leased	0	N/A
Existing network miles upgraded	20	Based on changes in NTIA guidelines, existing dark fiber that was being utilized is now considered upgraded fiber rather than new deployment. For baseline numbers related to network miles please refer to new network miles in baseline report.  We were delayed in placing equipment at one of our Community Anchor Institutions due to work they were doing in their IT room. This pushed back the process of turning-up one segment. This issue has since been resolved and we do not expect any delays in the overall project.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	0	Based on changes in NTIA guidelines, existing dark fiber that was being utilized is now considered upgraded fiber rather than new deployment. See Existing miles upgraded for additional details on fiber deployment.
Number of new wireless links	0	No Variance
Number of new towers	0	The revised site configuration will only require one new tower construction, a 70 foot monopole to be developed. This site will be developed soon and will not cause delays in the project.
Number of new and/or upgraded interconnection points	3	No Variance

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	3	During this quarter, we decided to revisit our logical network design and re-work some routing and other specifications. Due to this, we delayed the installation of some network equipment until final decisions had been made. The design work has been completed and the fiber is available at the remaining CAI's. We will be working to install the required equipment at these CAI's during the next quarter.
	Subscribers receiving new access	0	No Variance
	Subscribers receiving improved access	3	During this quarter, we decided to revisit our logical network design and re-work some routing and other specifications. Due to this we delayed the installation of some network equipment until final decisions had been made. The design work has been completed and the fiber is available at the remaining CAI's. We will be working to install the required equipment at these CAI's during the next quarter.
	Please identify the speed tiers that are available and the number or subscribers for each	3	CAI's will receive either 10GB/sec or 1GB/sec
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

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
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
Adams County Communication Center	Adams County, CO	Public Safety Answering Point	Yes	Infrastructure will be used as the backhaul network for the Public Safety LTE network as well as interconnecting multiple governmental entities for data and communication sharing.
City of Brighton	Brighton, CO	Local Government and Police Department	No	Infrastructure will be used as the backhaul network for the Public Safety LTE network as well as interconnecting multiple governmental entities for data and communication sharing.
Adams County Government Government Center	Adams County, CO	County Government	No	Infrastructure will be used as the backhaul network for the Public Safety LTE network as well as interconnecting multiple governmental entities for data and communication sharing.

Project Indicators (Next Quarter)

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

During the next quarter we hope to finalize the majority of technical design requirements for the LTE system. We will continue to make significant progress on all site preparation and tower hardening as well. In addition, we plan to turn-up additional CAI's on our fiber route and potentially activate additional miles of fiber. The specific estimates (cumulative) are:

New network miles deployed: 25

New network miles leased: N/A

Total number of CAI's: 8

Number of agreements: N/A

The reason for the lower number of network miles deployed is due to the delay in implementing the microwave backhaul portion of the network due to delays in the EA process.

**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	40	No Variance
2b.	Environmental Assessment	100	No Variance
2c.	Network Design	100	No Variance
2d.	Rights of Way	100	No Variance
2e.	Construction Permits and Other Approvals	90	Due to election cycles within local governments we may experience some delay in getting zoning/approval permits completed.
2f.	Site Preparation	60	While we continue to make-up time lost awaiting the FONSI it may take us one more reporting period to be back on schedule. We are currently under contract for renovations at the Cherokee/West tower site and work will begin soon. We have accomplished approximately 70% of the required renovations at the ADCOM 911 facility and have all UPS and generators ordered. The primary site work remaining will be any installation work required (electrical, pads, etc.) for the eNodeB installations which will be performed during the site implementation.
2g.	Equipment Procurement	29	Procurement is actually on schedule based on revised budget.
2h.	Network Build (all components - owned, leased, IRU, etc.)	25	A majority of the network build, eNodeB installations will take place in the Spring/Summer of 2012.
2i.	Equipment Deployment	25	A majority of fiber-optic equipment for existing fiber will be in place. As stated earlier, a majority of eNodeB installations will take place in Spring/Summer of 2012.
2j.	Network Testing	10	No Variance
2k.	Other (please specify):	0	No Variance

**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).**

The primary activities for the next quarter will be site preparation and final system design. Our primary challenge during this period would be weather patterns as unseasonable cold or snow may delay some construction activities.

**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	\$333,000	\$120,000	\$213,000	\$145,502	\$28,474	\$117,028	\$210,000	\$50,000	\$160,000
b. Land, structures, right-of-ways, appraisals, etc.	\$1,582,200	\$1,537,200	\$45,000	\$435,540	\$435,540	\$0	\$525,210	\$525,210	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0	\$75,000
e. Other architectural and engineering fees	\$2,063,882	\$253,750	\$1,810,132	\$2,293,322	\$589,689	\$1,703,633	\$3,400,000	\$1,000,000	\$2,400,000
f. Project inspection fees	\$0	\$0	\$0	\$100	\$0	\$100	\$100	\$0	\$100
g. Site work	\$608,869	\$0	\$608,869	\$682	\$0	\$682	\$275,000	\$0	\$275,000
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$3,793,469	\$3,180,697	\$612,772	\$0	\$0	\$0	\$0	\$0	\$0
j. Equipment	\$9,572,649	\$800,000	\$8,772,649	\$1,810,524	\$298,244	\$1,512,280	\$2,775,000	\$675,000	\$2,100,000
k. Miscellaneous	\$0	\$0	\$0	\$334	\$0	\$334	\$334	\$0	\$334
<b>l. SUBTOTAL (add a through k)</b>	\$18,029,069	\$5,891,647	\$12,137,422	\$4,686,004	\$1,351,947	\$3,334,057	\$7,260,644	\$2,250,210	\$5,010,434
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$18,029,069	\$5,891,647	\$12,137,422	\$4,686,004	\$1,351,947	\$3,334,057	\$7,260,644	\$2,250,210	\$5,010,434

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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