

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 NT10BIX5570157	3. DUNS Number 830149840
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4. Recipient Organization

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

5. Current Reporting Period End Date (MM/DD/YYYY) 09-30-2012	6. Is this the last Report of the Award Period? <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.

7a. Typed or Printed Name and Title of Certifying Official Scott Newman	7c. Telephone (area code, number and extension) X
	7d. Email Address snewman@adcom911.org

7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 10-04-2012
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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 2012 ADCOM911 maintained its focus on site development and backhaul network development. ADCOM911 finalized the configuration of network equipment to another CAI - Southwest Adams County Fire. That link is now ready to be used, and is waiting for the CAI to integrate their own network connectivity to it. Three additional microwave links were upgraded at the Cherokee, LadyBird, and Hoyt sites, which will provide backhaul from remote areas of the County back to the ADCOM 911 Fiber Network. At the Brighton Administration building, additional network equipment was installed which will allow us to connect another microwave link to remote areas of the County once the microwave equipment has been installed. A soil engineering report was completed for another remote site (Fire Station 54), and the parts and materials required to install a monopole at that site were delivered to our primary contractor. One of the prime sites (Cherokee) has been undergoing various site improvements - structural and electrical - and a significant portion of the work was completed this quarter. This work is a pre-requisite to installing and activating the network equipment at the site, because the original structure and infrastructure could not support additional equipment. Finally, ADCOM 911 completed the installation of a new run of fiber optic cable, from our Cherokee Site to the corner of 120th Ave. and Grant Street in Northglenn, as part of our in-kind contribution. This section of fiber will tie into another section to be constructed along 120th Ave. as part of the overall project. When the 120th Ave. construction is complete, we will have connectivity through fiber as a primary path to Cherokee and the existing fiber aggregation points. The construction completed during this quarter was the first phase of that overall fiber run.

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	60	Since the partial suspension is still in effect, ADCOM 911 has had to proceed cautiously with our funding. During the third quarter, we only focused on developing the links in the Broadband Network that could be used whether the LTE project moves forward or not. This took some time to assess which links should be prioritized, so as not to waste time or funding on sites prematurely. Because of this our project continued to see progress, but at a slower pace than previous quarters.
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	100	No Variance
2f.	Site Preparation	55	Site improvement work at Cherokee resumed, and is about 2/3 of the way complete now. At three additional sites, microwave backhaul links were installed and will be ready for use when the network equipment is installed. At one site, the network equipment was installed, and is ready for the microwave link to be installed. At another site, the soil analysis was completed and the parts and materials received for the installation of a monopole.
2g.	Equipment Procurement	78	We continued to receive some equipment from our original LTE contract during the quarter. All of this equipment was ordered and purchased prior to the suspension notice. We currently have all network equipment necessary to activate some of the core fiber transport sites. We anticipate we will need to purchase additional equipment whether we move forward with LTE or with a Broadband Network only. However, we won't know which equipment until we are advised whether LTE will move forward or not.
2h.	Network Build (all components - owned, leased, IRU, etc)	45	One CAI - Southwest Adams County Fire - had a microwave link installed last quarter, but was pending further network configuration. The network equipment has now been configured, and the site is ready for active use by the CAI. Three additional microwave links were installed, and are pending the installation and configuration of the network equipment. A fourth site has the network equipment installed and configured, and is now pending the installation of the microwave link. A

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
			new segment of fiber cabling was installed as the first phase of a larger fiber cable build.
2i.	Equipment Deployment	37	Three new microwave links were installed and configured, and are ready for network equipment to be installed. One new network switch was installed and configured, and is ready for the microwave link to be installed.
2j.	Network Testing	25	For the new microwave links that were installed, initial testing of the microwave paths and equipment was completed. Further testing will be completed when those sites have network devices connected.
2k.	Other (please specify):	0	N/A

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).

The suspension notice received in May 2012 came at a critical juncture in the ADCOM 911 project. Most of the LTE equipment was purchased prior to the suspension, and the majority has since been received at our facility. We had many discussions with the NTIA throughout the quarter to try and determine if the LTE project would move forward. If it was approved to move forward, then we would continue with the project as originally planned. If we were not allowed to move forward, we would need to reassess our plans and use the remaining grant funds to further expand and develop the Broadband network in areas previously unplanned. As such, we were very cautious moving forward so no funds were wasted before a decision could be made. At the end of the 3rd Quarter, we have still not received a definitive answer as to whether LTE will move forward or not. Both the NTIA and FCC have to approve our application to do so, and additional guarantees are required from our vendor. Since this decision is still pending, our progress was slowed, and we have only worked on those parts of the Broadband Network that can be used whether LTE moves forward or not. We will continue with this cautious approach until a final determination is made.

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	32	One segment of fiber was installed - from 112th and Cherokee to 120th and Grant - or just under 2 miles. This run will be part of a larger fiber optic network build to be completed later in the project.
New network miles leased	0	N/A
Existing network miles upgraded	90	Three existing microwave links were upgraded with new microwave equipment, providing much greater bandwidth in the overall transport network. From ADCOM 911 to Cherokee - 5 miles. From Cherokee to LadyBird - 30 miles. From LadyBird to Hoyt, 30 miles.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	5	This is less than the projected deployment from our baseline report. This is due to ongoing uncertainty with the overall status of the LTE project. We will proceed with caution toward the project and funding until we ascertain if we will move forward with LTE, or Broadband connectivity alone. However, a new segment was installed as noted above, and was just under 2 miles of new fiber construction.
Number of new wireless links	1	This is less than the projected deployment from our baseline report. This is due to ongoing uncertainty with the overall status of the LTE project. We will proceed with caution toward the project and funding until we ascertain if we will move forward with LTE, or Broadband connectivity alone. The microwave links noted above were existing links that were upgraded.

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Number of new towers	1	The project plan has been modified since the baseline report was first submitted, and we will be utilizing many existing towers instead of building as many new towers as first projected. This is still less than the projected deployment from our baseline report. This is due to ongoing uncertainty with the overall status of the LTE project. We will proceed with caution toward the project and funding until we ascertain if we will move forward with LTE, or Broadband connectivity alone.
Number of new and/or upgraded interconnection points	4	This is less than the projected deployment from our baseline report. This is due to ongoing uncertainty with the overall status of the LTE project. We will proceed with caution toward the project and funding until we ascertain if we will move forward with LTE, or Broadband connectivity alone. While 3 microwave links were upgraded, they are still pending the installation/ configuration of the network equipment. And while 1 new network switch was installed, it is still pending the installation/ configuration of the microwave.

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 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

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	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	6	4 subscribers currently have equipment installed and configured. 3 of them are actively using the connection today. The fourth is ready to begin use of the new link when they have integrated the link with their existing network. Two remaining sites have fiber installed, but do not have equipment installed yet. One is waiting for additional expansion of the network to a new endpoint, and one is waiting for the site owner to prepare the room to house equipment.
	Subscribers receiving new access	2	Adams County Government Center and City of Brighton previously had no access. Fiber is now run to their facility, though no equipment is installed or configured, as noted above.
	Subscribers receiving improved access	4	City of Commerce City formerly used an outdated microwave link. They are now actively using the new fiber optic network. Southwest Adams County Fire currently uses an internet based VPN, limited to 1 Mbps. Once their link is activated, they will begin using improved access as noted above.
	Please identify the speed tiers that are available and the number or subscribers for each	4	Each fiber link is operating at 1 Gbps, with connection to an Aggregation Point. The connections between Aggregation Points are operating at 10 Gbps. Since most individual links will carry more than one subscriber, each subscriber is provided 100 Mbps back to the aggregation points. Currently 2 subscribers are using 100 Mbps, and one subscriber is using 10 Gbps. The fourth will be using 100 Mbps when activated.
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
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).
 ADCOM911 plans to continue deployment of the microwave and fiber optic networks that were part of the original plan and provide additional use besides the LTE system. For example, sites that will connect CAIs to the server applications housed at ADCOM911, sites that can be used for LMR and NextGen 911 backhaul, etc. ADCOM911 is hopeful the FCC will grant a temporary STA to deploy additional LTE sites within the area, according to the original plan. If the STAs are not granted, ADCOM911 will potentially re-scope the project to deploy additional broadband access which was not part of the original project plan.

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	62	At least 4 additional sites will have microwave links upgraded or installed, and the network equipment for each will be installed and configured. This will allow each to serve as an interconnection point back to the overall fiber transport network.
2b.	Environmental Assessment	100	No Variance, unless the project plan is re-scoped.
2c.	Network Design	100	No Variance, unless the project plan is re-scoped.
2d.	Rights of Way	100	No Variance, unless the project plan is re-scoped.
2e.	Construction Permits and Other Approvals	100	No Variance, unless the project plan is re-scoped.
2f.	Site Preparation	60	We anticipate the site improvement work will be completed at the Cherokee site, allowing us to install and configure additional networking equipment. Construction should begin at the Fire Station 54 monopole tower site. Additional microwave links may be installed to more of the remote sites.
2g.	Equipment Procurement	80	All of the LTE specific equipment was purchased prior to the suspension notice. A vast majority of that has been received on site today and is currently housed in a roll-off storage unit. We anticipate we will need to purchase additional network transport equipment whether we move forward with LTE or with a Broadband Network only. However, we won't know which equipment until we are advised whether LTE will move forward or not.
2h.	Network Build (all components - owned, leased, IRU, etc.)	55	At least four more intermediary transport connections will be activated in the coming quarter. If the project is re-scoped, it will require additional network build efforts, and will vary this number.
2i.	Equipment Deployment	45	At least one additional microwave link and three additional network switches will be deployed to activate 4 microwave transport paths.
2j.	Network Testing	35	At least 4 additional interconnection points will be activated. At that time, additional testing will be performed to verify the links will transport end-user data.
2k.	Other (please specify):	0	N/A

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).

ADCOM911 is hopeful the FCC will grant a temporary STA to deploy additional LTE sites within the area, according to the original plan. If the STA application is granted, ADCOM 911 will need to redirect some amount of funds and staff time to the restart of the contract and project. However, the overall project would then be able to proceed according to the original plan, though project timelines will shift outside the original scope. If the STAs are not granted, ADCOM911 will need to re-scope the project to deploy additional broadband access which was not part of the original project plan. If this occurs, the project plan will need to be revised, along with the budget. Additional EA work will need to be performed, potentially new agreements established, and existing agreements may need to be revised in anticipation of delayed deployment. Additional delays will occur until a decision regarding LTE deployment is reached.

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	\$303,000	\$150,000	\$153,000	\$215,535	\$67,336	\$148,199	\$230,000	\$70,000	\$160,000
b. Land, structures, right-of-ways, appraisals, etc.	\$1,121,040	\$1,076,040	\$45,000	\$730,616	\$691,740	\$38,876	\$805,005	\$775,005	\$30,000
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$10,500	\$0	\$10,500	\$9,700	\$0	\$9,700	\$9,700	\$0	\$9,700
e. Other architectural and engineering fees	\$5,944,251	\$1,253,750	\$4,690,501	\$5,605,058	\$1,257,821	\$4,347,237	\$5,640,237	\$1,270,000	\$4,370,237
f. Project inspection fees	\$0	\$0	\$0	\$100	\$0	\$100	\$100	\$0	\$100
g. Site work	\$503,500	\$0	\$503,500	\$179,906	\$38,037	\$141,869	\$208,037	\$38,037	\$170,000
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$2,451,391	\$1,101,550	\$1,349,841	\$126,934	\$113,273	\$13,661	\$180,000	\$150,000	\$30,000
j. Equipment	\$6,345,080	\$960,000	\$5,385,080	\$3,438,596	\$570,801	\$2,867,795	\$3,471,000	\$571,000	\$2,900,000
k. Miscellaneous	\$0	\$0	\$0	\$3,320	\$0	\$3,320	\$4,125	\$0	\$4,125
l. SUBTOTAL (add a through k)	\$16,678,762	\$4,541,340	\$12,137,422	\$10,309,765	\$2,739,008	\$7,570,757	\$10,548,204	\$2,874,042	\$7,674,162
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n. TOTALS (sum of l and m)	\$16,678,762	\$4,541,340	\$12,137,422	\$10,309,765	\$2,739,008	\$7,570,757	\$10,548,204	\$2,874,042	\$7,674,162

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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