

**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>  NT10BIX5570097	<b>3. DUNS Number</b>  023716181
--	---	--

**4. Recipient Organization**  
  
 Department of Information Technology 715 Alta Vista, Santa Fe, NM 87505-4108

<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2014	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> 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.

<b>7a. Typed or Printed Name and Title of Certifying Official</b>  Mary Anaya	<b>7c. Telephone (area code, number and extension)</b>  505-476-1892
	<b>7d. Email Address</b>  Mary.Anaya@state.nm.us

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-20-2015
---	--

**Project Indicators (This Quarter)**

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

Digital Microwave (DMW):

The Department of Information Technology (DoIT) had twenty-four (24) Broadband Technologies Opportunities Program (BTOP) construction sites. Construction for all twenty-four (24) sites is complete. One (1) MicroWave link will not be completed until Spring 2015 due to winter weather constraints.

Long Term Evolution (LTE):

Approval has been received for twelve (12) fixed sites and one transportable to place LTE equipment on.

DoIT has obtained a signed Memorandum of Understanding (MOU) with the Department of Interior (DOI) and with Customs Border Protection (CBP). The MOU is pursuant to the FirstNet Key Learning Condition (KLC) to establish a federal partnership. DoIT will use the signed MOUs as the baseline to complete a MOU with the Federal Law Enforcement Training Center (FLETC) organizations. DoIT continues to pursue agreements with the counties of Dona Ana and Eddy for use of their respective towers and shelters. DoIT will conduct additional outreach to both Dona Ana and Eddy counties during the first quarter of 2015. DoIT is evaluating the need to switch the Remote Core connection to Adams County, CO versus Harris County, TX. Negotiations continue regarding the need to switch with NTIA, FirstNet and the respective States. DoIT is investigating, with the assistance of both Adams County and Harris County, what will be the correct fee basis for all customers to participate in the LTE Early Builders project. The fee basis will be required to account for the LTE sustainment costs. DoIT has assigned an internal service architect to establish a sustainable business model.

Request for Proposal (RFP) for 700 MHz LTE Equipment Status:

DoIT has completed the evaluation of RFP respondents. The award announcement was made. The LTE statement of work (SOW) was submitted to authorized vendors December 4, 2014 with responses due January 5, 2015.

Network Monitoring:

BTOP ProVision and Solarwinds network monitoring systems are exceeding expectations. A network operations center (NOC) has been established at DoIT headquarters.

Personnel Hires:

DoIT hired the Statewide Inter-operable Radio Communications Internet Transport System (SIRCITS) / BTOP personnel; Financial Coordinator Advanced; who is responsible for the award budget, financial management and reporting.

**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		88	<p>Middle Mile transition continues to progress with nine (9) sites remaining to be transitioned. All sites are to be completed April 1, 2015. DOI and CBP MOU negotiations are complete and FLETC negotiations are on-going using the MOUs as a baseline for Federal Partners.</p> <p>Percentage Breakdowns:</p> <p>Middle Mile                      Percentage Completed is based on:                      Middle Mile \$31,984,498                      Cash Match \$5,399,999                      In-Kind Match \$11,600,004                      Total \$48,984,501                      Expended \$46,397,204                      Percentage 94.72%</p> <p>700MHz LTE                      Percentage Completed is based on:                      LTE \$4,006,500                      Cash Match \$0                      Total \$4,006,500                      Expended \$220,406                      Percentage 5.50%</p>

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)																
			Administration & Legal Percentage Completed is based on: Total \$2,708,999 Expended \$2,165,852 Percentage 79.95%  Administration funds have been expended for general project support to include legal support for LTE Spectrum Lease Agreement negotiations.  Overall Percentage Completed is based on: Overall \$38,699,997 Cash Match \$5,399,999 In-Kind Match \$11,600,004 Total \$55,700,000 Expended \$48,783,462 Percentage 87.58%																
2b.	Environmental Assessment	100	No variance																
2c.	Network Design	100	No variance																
2d.	Rights of Way	0	N/A																
2e.	Construction Permits and Other Approvals	93	There are no planned construction permits for LTE since the state will be utilizing existing infrastructure however approvals for non-state owned sites are pending agreement of the appropriate LTE site owners.																
2f.	Site Preparation	93	LTE site preparation is awaiting final selection of the LTE vendor and negotiation with CBP, FLETC and appropriate New Mexico County authorities.																
2g.	Equipment Procurement	89	<table border="0"> <thead> <tr> <th>Area</th> <th>Budget Amount</th> <th>Amount Spent</th> <th>Percent Spent</th> </tr> </thead> <tbody> <tr> <td>DMW</td> <td>\$17,293,715</td> <td>\$17,419,088</td> <td>101.73%</td> </tr> <tr> <td>LTE</td> <td>\$2,443,000</td> <td>\$0</td> <td>0.00%</td> </tr> <tr> <td>Overall</td> <td>\$19,736,715</td> <td>\$17,419,088</td> <td>89.14%</td> </tr> </tbody> </table>	Area	Budget Amount	Amount Spent	Percent Spent	DMW	\$17,293,715	\$17,419,088	101.73%	LTE	\$2,443,000	\$0	0.00%	Overall	\$19,736,715	\$17,419,088	89.14%
Area	Budget Amount	Amount Spent	Percent Spent																
DMW	\$17,293,715	\$17,419,088	101.73%																
LTE	\$2,443,000	\$0	0.00%																
Overall	\$19,736,715	\$17,419,088	89.14%																
2h.	Network Build (all components - owned, leased, IRU, etc)	93	Approximately 1464 upgraded DMW miles have been completed. Testing is ongoing. The team continues to transition services to the new DMW network.																
2i.	Equipment Deployment	93	The following DMW equipment has been installed: Shelters - 24 of 24 Towers - 24 of 24 Batteries - 36 of 36  Radio & network equipment has been installed at all twenty four sites. LTE equipment is pending vendor response to the LTE SOW.																
2j.	Network Testing	88	Network equipment has been installed at all sites, has been turned up and final testing has been complete. The State of New Mexico has a self-healing network. The LTE sites remain to be finished.																
2k.	Other (please specify):	89	Based on actual administrative, financial and legal expenditures, the percentage is 89%.																
<p><b>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).</b></p> <p>The project continues to face challenges related to the establishment of State, and Local partnerships. Available time to complete the LTE early builder is compressed leaving little to no time for additional scope changes.</p>																			
<p><b>4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative</b></p>																			

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	N/A
New network miles leased	0	N/A
Existing network miles upgraded	1,464	Upon completion of the Coyote and Eureka sites an additional 48 miles will be deployed. These will be upgraded Digital Microwave (DMW) miles for a total of 1,512 upgraded miles.
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	DoIT has signed a Spectrum Lease Agreement with FirstNet.
Number of new towers	24	24 towers have been completed.
Number of new and/or upgraded interconnection points	0	The interconnect points will be upgraded as part of the construction; which is expected to be completed CY2015 QTR1.

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

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	0	Community Anchor Institutions (CAIs) will be added and correlated after completion of the LTE Pilot program.
	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 or subscribers for each	0	N/A
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).

The State of New Mexico has implemented holistic network protocols to include: Multi Protocol Label Switching (MPLS), Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP) for a complete self healing public safety network.

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).**

**MOU:**

DoIT anticipates a MOU with FLETC.

**Inter-Local Agreement (ILA):**

DoIT anticipates state and local ILAs as well as a separate agreement with the selected Evolved Packet Core (EPC).

**DMW:**

Coyote and Eureka sites are complete, with the configuration of additional shots 48 miles will be added. Transition from legacy network to BTOP network will continue. One (1) MicroWave link will not be completed until Spring 2015 due to winter weather constraints.

**LTE:**

DoIT will be seeking completion of the FLETC MOU. LTE SOW vendor selection will be completed. CAIs will be added pending completion of ILAs with federal, state and local partners during CY2015. At this point, there will not be additional upgraded miles or CAIs added during CY2015 QTR1. DoIT will continue to utilize the service architect to investigate the correct cost model to be applied for those Users participating in and the sustainment of the LTE Early Builder project. Final selection of the EPC connection will be made with concurrence of NTIA, FirstNet and the respective State. It is anticipated that one (1) LTE site will begin installation at the end of first quarter 2015.

**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	89	<p>The CY2015 QTR1 is the middle of the winter season; updates will be dependent upon prevailing weather conditions.</p> <p>Percentage breakdowns: Middle Mile Percentage Completed is based on: Middle Mile \$31,984,498 Cash Match \$5,399,999 In-Kind Match \$11,600,004 Total \$48,984,501 Expended \$46,883,704 Percentage 95.71%</p> <p>700MHz LTE Percentage Completed is based on: LTE \$4,006,500 Cash Match \$0 Total \$4,006,500 Expended \$390,406 Percentage 9.74%</p> <p>Administration &amp; Legal Percentage Completed is based on: Total \$2,708,999 Expended \$2,289,952 Percentage 84.53%</p> <p>Administration funds have been expended for general project support to include legal support for LTE Spectrum Lease Agreement negotiations.</p>

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)																
			Overall Percentage Completed is based on: Overall \$38,699,997 Cash Match \$5,399,999 In-Kind Match \$11,600,004 Total \$55,700,000 Expended \$49,564,062 Percentage 88.98%																
2b.	Environmental Assessment	100	No variance																
2c.	Network Design	100	No variance																
2d.	Rights of Way	0	N/A																
2e.	Construction Permits and Other Approvals	93	There are no planned construction permits for LTE since the state will be utilizing existing infrastructure, however approvals for non-state owned sites are pending agreement of the appropriate LTE site owners.																
2f.	Site Preparation	93	LTE site preparation is pending.																
2g.	Equipment Procurement	89	<table border="1" data-bbox="764 737 1521 842"> <thead> <tr> <th>Area</th> <th>Budget Amount</th> <th>Amount Spent</th> <th>Percent Spent</th> </tr> </thead> <tbody> <tr> <td>DMW</td> <td>\$17,293,715</td> <td>\$17,717,539</td> <td>102.45%</td> </tr> <tr> <td>LTE</td> <td>\$ 2,443,000</td> <td>\$0</td> <td>0.00%</td> </tr> <tr> <td>Overall</td> <td>\$19,736,715</td> <td>\$17,717,539</td> <td>89.77%</td> </tr> </tbody> </table> <p>The DMW equipment will exceed the original budget by 2.45%; which is an increase of less than three percent. The remaining 10.23% of the total equipment budget is for LTE equipment. This will be purchased in a later QTR after the vendor(s) has been selected.</p>	Area	Budget Amount	Amount Spent	Percent Spent	DMW	\$17,293,715	\$17,717,539	102.45%	LTE	\$ 2,443,000	\$0	0.00%	Overall	\$19,736,715	\$17,717,539	89.77%
Area	Budget Amount	Amount Spent	Percent Spent																
DMW	\$17,293,715	\$17,717,539	102.45%																
LTE	\$ 2,443,000	\$0	0.00%																
Overall	\$19,736,715	\$17,717,539	89.77%																
2h.	Network Build (all components - owned, leased, IRU, etc.)	96	The team will continue transitioning service to the new DMW network.																
2i.	Equipment Deployment	99	All DMW equipment is operational with the exception of the microwave link from Eureka to La Mosca.																
2j.	Network Testing	99	Final testing is completed with the exception of the microwave link from Eureka to La Mosca.																
2k.	Other (please specify):	93	With the extension of the grant award the expenses for administrative, financial and legal efforts are also extended; therefore the percent complete to the overall grant time line has been adjusted accordingly.																

**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 project may continue to face challenges related to the establishment of state and local partnerships. Available time to complete the LTE early builder is compressed leaving little to no time for additional scope changes. The state does not anticipate any issues with implementation of the LTE system using remaining budget.

### 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	\$2,708,999	\$0	\$2,708,999	\$2,165,852	\$0	\$2,165,852	\$2,289,952	\$0	\$2,289,952
b. Land, structures, right-of-ways, appraisals, etc.	\$2,384,958	\$2,245,188	\$139,770	\$2,376,245	\$2,245,188	\$131,057	\$2,376,245	\$2,245,188	\$131,057
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$9,050,224	\$65,693	\$8,984,531	\$6,756,775	\$1,605	\$6,755,170	\$6,926,775	\$1,605	\$6,925,170
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$2,157,993	\$0	\$2,157,993	\$1,703,891	\$0	\$1,703,891	\$1,703,891	\$0	\$1,703,891
h. Demolition and removal	\$1,500,000	\$0	\$1,500,000	\$198,000	\$0	\$198,000	\$560,000	\$0	\$560,000
i. Construction	\$6,501,107	\$0	\$6,501,107	\$6,329,656	\$0	\$6,329,656	\$6,329,656	\$0	\$6,329,656
j. Equipment	\$19,736,715	\$3,089,118	\$16,647,597	\$17,593,039	\$3,089,118	\$14,503,921	\$17,717,539	\$3,089,118	\$14,628,421
k. Miscellaneous	\$11,660,004	\$11,600,004	\$60,000	\$11,660,004	\$11,600,004	\$60,000	\$11,660,004	\$11,600,004	\$60,000
<b>l. SUBTOTAL (add a through k)</b>	<b>\$55,700,000</b>	<b>\$17,000,003</b>	<b>\$38,699,997</b>	<b>\$48,783,462</b>	<b>\$16,935,915</b>	<b>\$31,847,547</b>	<b>\$49,564,062</b>	<b>\$16,935,915</b>	<b>\$32,628,147</b>
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	<b>\$55,700,000</b>	<b>\$17,000,003</b>	<b>\$38,699,997</b>	<b>\$48,783,462</b>	<b>\$16,935,915</b>	<b>\$31,847,547</b>	<b>\$49,564,062</b>	<b>\$16,935,915</b>	<b>\$32,628,147</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
---	--------------------------------