

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 NT10BIX5570158	3. DUNS Number 962696089
4. Recipient Organization Los Angeles Regional Interoperable Communications System Authority 2525 Corporate PL Ste 200, Monterey Park, CA 91754-7672		
5. Current Reporting Period End Date (MM/DD/YYYY) 06-30-2015	6. Is this the last Report of the Award Period? <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.		
7a. Typed or Printed Name and Title of Certifying Official Arnaldo de la Paz	7c. Telephone (area code, number and extension) 3238818318	
	7d. Email Address arnaldo.delapaz@la-rics.org	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 09-09-2015	

Project Indicators (This Quarter)

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

As of June 30, 2015, construction in 11 sites have been completed. Construction is in progress in 20 sites.

PROJECT UPDATE. The National Telecommunications and Information Administration (NTIA) placed the project on hold as of April 1st to May 8th and required a Corrective Action Plan (CAP) that details what the future Network would consist of (number of sites, backhaul, coverage, etc.) LA-RICS completed the CAP, which the NTIA approved after minor changes. The CAP consist of 84 sites: 67 Long Term Evolution Public Safety Broadband Network (LTE-PSBN) sites, two backhaul only sites and 15 Cell on Wheels (COWs). During this period, LA-RICS moved forward with its 84 base site design package and finalized backhaul connectivity for each location. LA-RICS brought the approved CAP before the Joint Powers Authority Board for review and it was approved to move forward. Because of opposition by firefighters union, construction was stopped at all the 75 City and County Fire sites. A restoration plan for work completed on affected sites is being prepared.

ENVIRONMENTAL ASSESSMENT. LA-RICS prepared two supplemental environmental assessments (EAs), one for nine sites (Supplemental Environmental Assessment-1 (SEA-1) for four new sites and five sites with modified design), and one for three new LTE sites plus 15 cell-on-wheels sites (SEA-2). SEA-1 accommodated site changes made and submitted through Route Modification 3 and 4. Developed and submitted through Grants Online a request, and received approval for changes from new monopole to collocation on existing structures in 21 sites in Route Modification 5. LA-RICS received concurrences from State Historic Preservation Officer (SHPO) for 7 additional sites during the reporting period bringing the total to 193 concurrences from SHPO, and completing the Section 106 process for the last of the permanent sites. During the reporting period, LA-RICS continued with development of the Federal Communications Commission (FCC) 620 forms for the 15 COW sites for submission to SHPO. During the reporting period, LA-RICS also developed requests, approved by NTIA, for exemption from SHPO review for 8 additional sites. During the reporting period, LA-RICS developed and submitted a Supplemental Biological Assessment (BA) for six sites in SEA-2, and closed out consultation with the United States Forest Wildlife Services (USFWS) for the remaining sites. Concurrence with effects determinations made in the Supplemental BA is pending. Environmental compliance efforts were undertaken for the sites in construction. This effort included biological and cultural resources monitoring and reporting.

COMMUNITY OUTREACH. LA-RICS conducted five regional meetings thru the first two weeks of June, as mandated by the Los Angeles County Board of Supervisors. In addition, six municipalities received separate outreach efforts prior to construction start. For LTE sites in Los Angeles Police Departments, ten outreach meetings were conducted from May 26-28, as mandated by the City Council of Los Angeles.

RIGHTS OF WAY/PERMITS. Once the CAP was underway, drawings and permits were at full swing. We have received thirty (30) building permits and have approximately five (5) permits pending release from the County Building Department. Additional site plans are being submitted weekly to the building department. To-date, 30 site access agreements was executed; over 95% of sites requiring geo-tech drilling has been completed. Due to the required outreach from the County Board of Supervisors, LA-RICS has been working closely with all of the cities to get meetings scheduled. Outreach for the City of Los Angeles Police Departments have been scheduled to take place at each individual agency.

NETWORK DESIGN. The network design for the 67 PSBN sites is completed. Outstanding to date are the 15 COW's which are currently being worked on and are scheduled for final design towards the end of August. The backhaul design including, the City of Los Angeles fiber ring is now 75% completed with the Memorandum of Understanding (MOU) signed in June. The equipment designs were finalized and the Request for Statement of Qualifications (RFQ) were sent out to vendors and are due back for review by LARICS staff. The commercial fiber has gone through additional review to identify any outstanding issues or connections for the PSBN and all 15 COW sites. The carriers have been identified (ATT, Time Warner & VZW) and contracts are now in place for the various sites requiring fiber for backhaul circuits. The construction or installations have started and are making good progress. The RAN design is 100% complete less the (15) COWs and eNodeB programming specifications. Scripts are being written by Ericsson which are 90% complete.

NETWORK BUILD. The primary core at Fire Command and Control Facility (FCCF) has been installed and testing is completed. The secondary Evolved Pocket Core (EPC) for Valley Dispatch Center (VDC) was delivered mid-March, 2015 but has been removed from the program for various reasons. Construction is back in full swing and moving forward as scheduled, cabinets (eNodeB's) are being deployed as sites become ready for the equipment. Permanent power has been delivered at certain sites but continues to be a slow process. A meeting with the utilities Southern California Edison (SCE) and Department of Water and Power (DWP) have been scheduled to find different solutions to help speed up the installation process or power turn up.

BUDGET MODIFICATION. LA-RICS submitted during this period a budget modification to reduce the total project cost to \$137,891,890 which consists of \$117,142,727 in Federal funding and \$20,749,163 in match contribution.

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	23	Although the project officially lost 19 working days during the suspension period between April 3, 2015 to May 1, 2015, it unofficially suffered significantly more delays because crews and equipment could not be immediately remobilized after the suspension was lifted.
2b.	Environmental Assessment	95	This milestone varied from the baseline plan because sites had to be dropped, replacement sites had to be assessed, and route modifications were made. Steady progress continues to be made toward finalizing environmental compliance. Construction monitoring is ongoing, only minor compliance issues have been identified to date, and these have been aggressively corrected.
2c.	Network Design	70	The network design has been reduced to 84 sites composed of 67 LTE sites, 2 microwave backhauls, and 15 Cell on Wheels locations. The site reduction resulted largely from the Los Angeles City and County Fire Stations that opposed the project. The percent completion indicator reported here is not cumulative.
2d.	Rights of Way	90	The redesign of the program due to fire stations being dropped from the system design contributed to the reduction in percentage completion. The percent complete indicator reported is not cumulative. Majority of pending work are for COW sites.
2e.	Construction Permits and Other Approvals	50	Of the 55 building permit applications submitted, 31 has been issued permits to build.
2f.	Site Preparation	90	Rights of way and geotechs are nearly completed for most sites; COW sites are pending rights of way .
2g.	Equipment Procurement	95	Equipment have been delivered and awaiting deployment.
2h.	Network Build (all components - owned, leased, IRU, etc)	11	Construction continued throughout Q2 but has moved a little slower than expected .A total of nine (9) sites have been completed and nineteen (19) are under construction with thirty nine (39) sites awaiting building permits. The slowdown is largely due to the design phase of the remaining sites and the extensive outreach needed to be completed prior to the release of the permits. The reduction in project scope caused a reduction in percent completion which is not reported here cumulatively.
2i.	Equipment Deployment	15	Dropping the fire station sites reduced percent completion. The percent complete indicator is not cumulative.
2j.	Network Testing	0	The Authority has not begun any system testing.
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 BTOP program can help replenish the limited revolving cash by allowing two drawdowns a month instead of one.

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)

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	0	The Authority has not acquired or leased any new miles during this period.
New network miles leased	0	The Authority has not acquired or leased any new miles during this period.
Existing network miles upgraded	0	Variance from the baseline plan resulted from the delayed build out of the network.
Existing network miles leased	0	The Authority has not leased any existing miles during this period.
Number of miles of new fiber (aerial or underground)	0	The Authority has not leased any existing miles during this period.
Number of new wireless links	0	The Authority has not installed any new or upgraded wireless links during this period.
Number of new towers	11	11 sites were completed and construction in 19 sites is in progress. 30 sites located in 29 county fire stations and one city fire station were dropped from the list of completed/construction in-progress list and transferred to the list of sites to be restored. Permitting process for restoration work started in June 22.
Number of new and/or upgraded interconnection points	0	The Authority has not installed any new or upgraded connections points during 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)
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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	0	The final count of Community Anchor Institutions will be reported after the network design has been made final.
	Subscribers receiving new access	0	Pending system acceptance.
	Subscribers receiving improved access	0	Pending system acceptance.
	Please identify the speed tiers that are available and the number or subscribers for each	0	Pending system acceptance.
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).
 By the end of the next quarter, all towers included in the final system design should have been erected. The entire network is expected to be ready for testing turning up. It is estimated that 606 Community Anchor Institutions could be directly connected to the completed network.

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	100	Complete, pending individual site and cluster testing and turning up of the entire network.
2b. Environmental Assessment	100	We anticipate all environmental permitting and compliance efforts will be completed by the end of this period. This will include finalizing SEA-2, completing consultation with SHPO for the 15 COW sites, and with USFWS for the six sites in the Supplemental BA. Environmental monitoring efforts will continue based on construction activity.
2c. Network Design	100	Potential variance reason could be delay in securing final utility connection
2d. Rights of Way	100	Potential variance reason could be delay in rights of way for COW sites.
2e. Construction Permits and Other Approvals	100	Potential variance reason could be delay in securing permits for COW sites.
2f. Site Preparation	100	Potential variance reason could be delay in securing rights of way for COW sites.
2g. Equipment Procurement	100	N/A
2h. Network Build (all components - owned, leased, IRU, etc.)	100	Potential variance reason could be delay in securing utility connections.
2i. Equipment Deployment	100	Potential variance reason could be delays in COW sites.
2j. Network Testing	95	Potential variance reason could be delay in securing utility connections.
2k. Other (please specify):	0	After sites contemplated in fire stations were dropped from system design, it is projected that 606 community anchor institutions (CAIs) could be directly connected by the proposed network.

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 BTOP program can provide technical assistance before and during the closeout period of the grant.

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	\$13,297,104	\$2,685,484	\$10,611,620	\$16,481,151	\$8,311,106	\$8,170,045	\$21,638,208	\$9,051,435	\$12,586,773
b. Land, structures, right-of-ways, appraisals, etc.	\$73,597,901	\$37,780,781	\$35,817,120	\$4,007,005	\$4,007,005		\$13,924,063	\$6,503,266	\$7,420,797
c. Relocation expenses and payments									
d. Architectural and engineering fees	\$16,360,786	\$1,543,236	\$14,817,550	\$11,000,358	\$1,233,965	\$9,766,393	\$31,932,812	\$1,405,994	\$30,526,818
e. Other architectural and engineering fees									
f. Project inspection fees									
g. Site work									
h. Demolition and removal									
i. Construction							\$22,375,599		\$22,375,599
j. Equipment	\$113,368,574	\$20,394,864	\$92,973,710	\$13,108,157		\$13,108,157	\$41,703,189	\$1,917,968	\$39,785,221
k. Miscellaneous	\$1,270,000	\$850,000	\$420,000				\$6,318,019	\$1,870,500	\$4,447,519
l. SUBTOTAL (add a through k)	\$217,894,365	\$63,254,365	\$154,640,000	\$44,596,671	\$13,552,076	\$31,044,595	\$137,891,890	\$20,749,163	\$117,142,727
m. Contingencies									
n. TOTALS (sum of l and m)	\$217,894,365	\$63,254,365	\$154,640,000	\$44,596,671	\$13,552,076	\$31,044,595	\$137,891,890	\$20,749,163	\$117,142,727

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