

**QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

**General Information**

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|--|---|--|
| <b>1. Federal Agency and Organizational Element to Which Report is Submitted</b><br><br>Department of Commerce, National Telecommunications and Information Administration | <b>2. Award Identification Number</b><br><br>NT10BIX5570158 | <b>3. DUNS Number</b><br><br>962696089 |
|--|---|--|

**4. Recipient Organization**

Los Angeles Regional Interoperable Communications System Authority 2525 Corporate PL Ste 200, Monterey Park, CA 91754-7672

|  |   |
|--|---|
| <b>5. Current Reporting Period End Date (MM/DD/YYYY)</b><br><br>12-31-2019 | <b>6. Is this the last Report of the Award Period?</b><br><br><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><br><br>GINA SAMY<br>FISCAL OFFICER I | <b>7c. Telephone (area code, number and extension)</b><br><br>(323) 881-8255 |
|  | <b>7d. Email Address</b><br><br>GINA.SAMY@LA-RICS.ORG                        |

|  |  |
|--|--|
| <b>7b. Signature of Certifying Official</b><br> | <b>7e. Date Report Submitted (MM/DD/YYYY):</b><br>01/27/2020 |
|--|--|

Empty space for additional comments or notes.

**Project Indicators (This Quarter)**

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

Long Term Evolution (LTE) Round 1

On June 30, 2018, the grant-funded network transitioned to AT&T, the private partner of the First Responder Network Authority, at the close of the business agreement and approval of the asset transfer agreement from the National Telecommunications and Information Administration (NTIA) and approved by National Oceanic and Atmospheric Administration (NOAA). The Los Angeles Regional Interoperable Communications System (LA-RICS) Public Safety Broadband Network (PSBN) has been operating a spectrum lease agreement with FirstNet since its inception. Since the transition has occurred, LA-RICS is no longer operating the PSBN.

Public Safety Broadband Network (PSBN) Site Transition to AT&T:

During the 4th Quarter 2019, another 15 sites have transitioned and are integrated into the AT&T network for a total of 55 sites that have transitioned off the PSBN to the AT&T system.

Network Monitoring and Operations

Currently all operations are with AT&T.

Network Optimization

During the 4th Quarter 2019, no changes were made to the PSBN by MSI for Optimization; any changes to the network are now handled by AT&T and only to sites that have been transitioned to National Public Safety Broadband Network (NPSBN).

Special Events

There were no special events conducted during 4th Quarter 2019.

Status of PSBN Agency Onboarding

All agencies onboarding program for LA-RICS have been concluded. No further on-boarding work is contemplated. All future on-boarding of agencies is at the sole discretion of AT&T/FirstNet.

Long Term Evolution (LTE) Round 2

On December 11, 2019, LA-RICS submitted a funding Augmentation request for \$3,506,048 which includes an increase in funds to support construction of the 26 sites based on the actual bids received to date by site type.

Objective 1 (26) Site Augmentation

Work continued on PSBN Round 2 during the 4th Quarter 2019 covering the following items: Final site identification and concurrence with AT&T has been completed. Site Access Agreement (SAA) negotiations continued to proceed. Finding Of No Significant Impact (FONSI) have been received for 16 sites and environmental assessments have been submitted for the final 5 sites. Zoning Drawings (ZDs) have been completed for 24 of 26 sites and Construction Drawings (CDs) have been completed for 16 sites. Draft CDs are being reviewed for 8 additional sites. 2 sites are pending the conclusion of the site design phase. Construction contracts have been awarded for 10 sites, and Invitations for Bids (IFBs) have been issued for an additional 12 sites. IFBs for the remaining 4 sites will be issued in 1st Quarter 2020.

Objective 2 Status:

Bids were received from the potential bidders on September 10, 2019. Evaluation of the Bids and contract negotiations were completed during the 4th Quarter 2019 to be ready for the December board meeting. Pricing for the Cell On Light Truck (COLT) and the Cell on Pickup Truck (COPT) came out nearly equivalent. While the Authority expected the COPT pricing to possibly be less expensive, additional analysis was conducted and due to the specialty components of the vehicle such as a 60-foot mast, antennas, satellite, etc. it was determined to be in line with others. The Authority held a meeting with Los Angeles Sheriff Department (LASD) and Los Angeles County Fire regarding COLT/COPT Operations and Maintenance (O&M) requirements it was concluded that it would be appropriate to proceed with the purchase of (2) vehicle types (one COLT and one COPT). As the pursuit of one COLT and one COPT is within the existing budget, the Authority will not require additional funds. LA-RICS Board approved moving forward. LA-RICS and AT&T will also be working on terms for the FirstNet Remote Mobility Zone (FRMZ) service, which allows the building procurement and deployment of a COLT to run on the FirstNet AT&T service. Initial meetings with AT&T on the scope and supplied equipment continued in the 4th Quarter 2019 and will continue into 1st Quarter 2020 to complete a contract with AT&T on the FRMZ services before the February board meeting.

Outreach Reporting

Various meetings continued in the months of October, November and December with AT&T to continue discussions on technical and program management concerns, transition logistics as well as assignment and assumption agreement meetings for the migration of the PSBN to the NPSBN. During this reporting period, Executive Director Edson and Jacobs Program Management continued meetings with City Managers and/or Police and Fire Chiefs from the cities of Azusa, Claremont, Covina, Inglewood, Montebello, Port of Los Angeles (POLA) and Port of Long Beach (POLB) to discuss potential Round 2 PSBN sites.

**Board Actions**

On October 3, 2019, the Board approved an amendment to the Land Mobile Radio (LMR) SAA for Cerro Negro (CRN2) to be a collocated LTE2 site. LTE Round 2 SAA for Azusa Canyon (AZUCYN) was approved by the Board on November 7, 2019.

**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  | 80               | Progress has been made on Site Access Agreements and Construction Drawings for PSBN Round 2 sites. 10 construction contracts have been issued and an additional 12 IFBs have been released.   |
| 2b. | Environmental Assessment                                 | 95               | Finding Of No Significant Impact (FONSI) received for 16 sites. A Supplemental Environmental Assessment has been submitted for an additional 11 sites (SEA5).   |
| 2c. | Network Design   | 100              | The list of 26 PSBN Round 2 sites has been finalized. LA-RICS and AT&T have agreed on parameters for extending network fiber to sites.  |
| 2d. | Rights of Way  | 88               | LA-RICS has reached agreement with Southern California Edison on the use of six substations as antenna sites and also with LA County for collocation on an existing antenna structure. Additional agreements have been reached with the City of Inglewood and UCLA. USFS Meeting 12/4/2019. |
| 2e. | Construction Permits and Other Approvals                 | 73               | One building permit was received in 4th Quarter 2019.   |
| 2f. | Site Preparation   | 73               | Site preparation/construction has begun at one site.  |
| 2g. | Equipment Procurement                                    | 81               | Equipment has been ordered for 9 sites.   |
| 2h. | Network Build (all components - owned, leased, IRU, etc) | 72               |   |
| 2i. | Equipment Deployment                                     | 72               |   |
| 2j. | Network Testing  | 72               |   |
| 2k. | Other (please specify):                                  | 0                |   |

**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 LTE Round 1 program has been 100% completed, tested and transitioned. Outstanding issue is the final SAA between AT&T and site owners.

The LTE Round 2 program has the following challenge or issues:

**Objective 1**

- 1.) Managing concurrent construction work at multiple sites.
- 2.) Obtaining special use permits for land use rights on the US Forest Service sites.
- 3.) Securing Power delivery to sites where commercial power is not available. Evaluating solar options.

**Objective 2**

- 1.) Procurement Bid documents were released in 3rd Quarter 2019 and Bids were received on September 10, 2019. Bids were reviewed during the 4th Quarter 2019 and a vendor selection was completed.
- 2.) Board approval to move forward with the Bid winner was approved by the board in December 2019
- 3.) Moving forward with only 2 vehicle orders due to cost of COPT higher than expected.
- 4.) Procurement documents are being completed in 4th Quarter 2019 for AT&T FRMZ service and may continue into 1st Quarter 2020.

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                           | 156   | Includes all 15 point to point microwave links, including intermediate hops going to the non-LTE sites.            |
| New network miles leased                             | 0     | No new network miles leased  |
| Existing network miles upgraded                      | 100   | Calculates distance between nodes used on Los Angeles County and City of LA fiber.                                 |
| Existing network miles leased                        | 494   | Existing network miles leased from Time Warner Cable and AT&T to Los Angeles County Fire Command Control Facility. |
| Number of miles of new fiber (aerial or underground) | 0     | Essentially less than a mile for site communication.   |
| Number of new wireless links                         | 12    | PSBN microwave links.  |
| Number of new towers                                 | 30    | There are currently 30 Towers installed.   |
| Number of new and/or upgraded interconnection points | 0     | N/A  |

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) |
|-----------------|-------------|-------|---|
|                 |             |       |   |

| Subscriber Type  | Access Type   | Total | Narrative (describe your reasons for any variance from the baseline plan or any other relevant information) |
|--|---|-------|---|
| <b>Broadband Wholesalers or Last Mile Providers</b>                      | 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   |
| <b>Community Anchor Institutions (including Government institutions)</b> | Total subscribers served  | 0     | It is estimated that 606 CAIs will be added to the completed Network.                                       |
|  | 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.  |
| <b>Residential / Households</b>  | 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   |
| <b>Businesses</b>  | 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).**

LTE Round 1- Initial 76 Sites Program

Continue to Work with AT&T/FirstNet to implement Local Control as Agencies sign on with the FirstNet system and continue with device transitions to the FirstNet Network.

PSBN Site Transition to AT&T:

AT&T has 55 of 75 sites transitioned to date. Currently we are tracking both site access agreements and site cutovers to ensure a majority of the sites are transition to AT&T FirstNet Core during 1st Quarter 2020.

PSBN Round 2

Objective 1 – (26) Site Augmentation: It is expected that FONSI and SAAs will be complete for all 26 sites. By the end of Q1 2020, we expect to have equipment ordered, building permits issued and construction commence at the majority of the sites.

Objective 2 – Cell On Light Truck (COLT):

1st Quarter 2020 COLT work will entail issuing an order and Notice To Proceed (NTP) for procurement of (2) vehicles (one COLT and one COPT). LA-RICS technical staff will be working with LA-RICS procurement to finalize the AT&T/FRMZ service scope with AT&T, during 1st Quarter 2020 to meet the February board meeting.

Outreach

Negotiations with agencies for LTE Round 2 site access agreements are underway. As we get closer to construction activities, outreach to residents/businesses within 500 feet of a site will be required.

Board Actions

Site Access Agreement Board Letters for several LTE Round 2 sites to report for next quarter. We anticipate approval of Claremont (CLRMPD1), Pomona Courthouse (POM2), Compton Courthouse (CCB2), Cougar Water Tank (COUG), and Montebello (MNTBLPD) at the meetings of 1/15/2020 and 2/6/2020.

**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                          | 80                       |  |
| 2b. Environmental Assessment                 | 100                      | FONSI to be received for all remaining sites.  |
| 2c. Network Design                           | 100                      | List of 26 sites has been finalized.   |
| 2d. Rights of Way                            | 100                      | Site Access Agreements to be executed for all 26 sites.  |
| 2e. Construction Permits and Other Approvals | 100                      | Building permits to be issued for all 26 sites   |
| 2f. Site Preparation                         | 95                       | Site preparation/construction work to be completed at 11 sites and begun at all remaining sites    |

|     | Milestone   | Planned Percent Complete | Narrative (describe reasons for any variance from baseline plan or any other relevant information) |
|-----|---|--------------------------|--|
| 2g. | Equipment Procurement                                     | 100                      | Equipment to be ordered for all 26 sites.  |
| 2h. | Network Build (all components - owned, leased, IRU, etc.) | 85                       | Equipment deployed at 11 sites.  |
| 2i. | Equipment Deployment                                      | 85                       | Equipment deployed at 11 sites.  |
| 2j. | Network Testing   | 85                       | Testing completed at 11 sites.   |
| 2k. | Other (please specify):                                   | 0                        |  |

**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 LTE Round 2 program has the following challenge or issues:

Objective 1

- 1.) Environmental Assessment process for the balance of the 26 approved sites.
- 2.) Right of Entry and Site Access Agreement process.
- 3.) Obtaining special use permits for land use rights on the US Forest Service sites.
- 4.) Securing Power delivery to sites where commercial power is not available. Evaluating solar options

Objective 2

Ordering and receiving the first COLT as well as with AT&T FRMZ service and issue an order for the COLT services from AT&T.

### 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                 | \$38,582,924      | \$15,259,561          | \$23,323,363         | \$35,093,376   | \$13,581,890   | \$21,511,486  | \$35,368,760  | \$13,654,766   | \$21,713,994  |
| b. Land, structures, right-of-ways, appraisals, etc. | \$26,074,247      | \$13,439,034          | \$12,635,213         | \$8,604,599  | \$7,949,853    | \$654,746     | \$8,654,561   | \$7,979,974    | \$674,587     |
| c. Relocation expenses and payments                  | \$0               | \$0                   | \$0                  | \$0  | \$0            | \$0           | \$0   | \$0            | \$0           |
| d. Architectural and engineering fees                | \$38,448,541      | \$1,569,511           | \$36,879,030         | \$36,488,074   | \$1,569,511    | \$34,918,563  | \$36,608,924  | \$1,569,511    | \$35,039,413  |
| 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   | \$0               | \$0                   | \$0                  | \$0  | \$0            | \$0           | \$0   | \$0            | \$0           |
| h. Demolition and removal                            | \$17,903          | \$0                   | \$17,903             | \$0  | \$0            | \$0           | \$0   | \$0            | \$0           |
| i. Construction                                      | \$33,689,249      | \$0                   | \$33,689,249         | \$23,955,495   | \$0            | \$23,955,495  | \$23,982,300  | \$0            | \$23,982,300  |
| j. Equipment   | \$48,872,211      | \$5,217,008           | \$43,655,203         | \$43,965,985   | \$4,717,056    | \$39,248,929  | \$44,105,754  | \$4,761,704    | \$39,344,050  |
| k. Miscellaneous                                     | \$7,625,039       | \$3,185,000           | \$4,440,039          | \$6,299,041  | \$1,512,959    | \$4,786,082   | \$6,376,109   | \$1,548,597    | \$4,827,512   |
| <b>l. SUBTOTAL (add a through k)</b>                 | \$193,310,114     | \$38,670,114          | \$154,640,000        | \$154,406,570  | \$29,331,269   | \$125,075,301 | \$155,096,408   | \$29,514,552   | \$125,581,856 |
| m. Contingencies                                     |                   |                       |                      |  |                |               |   |                |               |
| <b>n. TOTALS (sum of l and m)</b>                    | \$193,310,114     | \$38,670,114          | \$154,640,000        | \$154,406,570  | \$29,331,269   | \$125,075,301 | \$155,096,408   | \$29,514,552   | \$125,581,856 |

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: | b. Program Income to Date: |
|                                       |                            |