| **U.S. DEPARTMENT OF COMMERCE** | 2. Award Or Grant Number |
| | 22-50-M09030 |

**Performance Progress Report**

| | 4. Report Date (MM/DD/YYYY) |
| | 10-17-2011 |

| 1. Recipient Name | 6. Designated Entity On Behalf Of: |
| State of Louisiana Division of Administration | State of Louisiana |

| 3. Street Address | 8. Final Report? | 9. Report Frequency |
| 1201 North 3rd Street, Suite 2-130, | ○ Yes  ● No | ● Quarterly  ○ Semi Annual  ○ Annual  ○ Final |

| 5. City, State, Zip Code |
| Baton Rouge, LA 70802 |

| 7. Project / Grant Period Start Date: (MM/DD/YYYY) | 7a. End Date: (MM/DD/YYYY) | 7b. Reporting Period End Date: | 9a. If Other, please describe: |
| 11-01-2009 | 10-31-2014 | 09-30-2011 | n/a |

## 10. Broadband Mapping — 10a. Provider Table

| Number of Providers Identified | Number of Providers Contacted | Number of Agreements Reached for Data Sharing | Number of Partial Data Sets Received | Number of Complete Data Sets | Number of Data Sets Verified |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office?  ○ Yes  ● No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project?  ● Yes  ○ No

10d. If so, describe the discussions to date with each of these providers and the current status

The following fifteen (15) providers have yet to provide data however we are still working to acquire data from each of them: Acadian Wireless; Bayou Internet Inc; CableSouth Media (formerly known as Media3); Cellular South; Conterra Broardband Services D/B/A DETEL; CS Wireless, LLC; ERF Wireless, Inc.; Hunt Telecom; Integrated Data Systems; Interactive E-Solutions A/K/A Broadband IP; Maximum Access, LLC; Nexus Systems, Inc.; PC One Cable LLC; Skycom1; Superior Wireless

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

The following additional verification datasets are being developed/collected:

• Development of Initial Conservative Estimate of Broadband Service:  Data is extracted from internal and commercial databases defining geographic service areas of telephone and cable companies and locations of central office (CO) switches and areas upgraded with fiber.  The geographic areas are overlaid with Census demographic data on housing unit counts and density.

• Wireless Market Intelligence Data:  Commercially available dataset used as an independent source to verify information submitted by Providers of wireless broadband service. This dataset is used as a validation source for provider service area coverage.

• Targeted Online Surveys: Questionnaires (e-mail/web based) have been sent directly to businesses and households, including over-sampling in rural area and those where the above conservative estimate indicates are "unserved" and "underserved" areas.

• Online Public Survey and Speed Test: A Broadband Mapping Public Survey Site is deployed. Site visitors are requested to provide data on broadband availability, technology, service type (e.g., speed tier) service provider name; monthly prices paid and measured downstream and upstream speeds.

10f. Please describe the verification activities you plan to implement

Development of a System for Evaluation and Assessment Statistics (SEAS) is complete. SEAS automated the validation processing conducted for the last data submittal to the NTIA which is described in section 10h below. The software auto-joins and queries the validation data against the Provider data. Identified areas of discrepancy are flagged for reporting the confidence level of the Provider's submitted census blocks, road segments, address points, and wireless service areas at the census block level. These unit confidence levels are input into a statistical model to develop confidence levels for each of the broadband service Provider's records. These confidence levels have been added to the state broadband webmap for the April 2011 data submission to NTIA.

Fixed Wireless coverage will be evaluated using contour calculation methods, with key inputs being transmitter location and, where available, data on spectrum power levels and other relevant transmission factors provided by carriers and/or supplemented by data available from public web sites and other sources.  Data will then be input to a contour calculation tool to provide estimates of fixed wireless broadband coverage areas. This dataset is used as a source to determine gaps in provider wireless service area coverage. The field data will be collected starting in the winter of 2011.

10g. Have you initiated verification activities?  ● Yes  ○ No

10h. If yes, please describe the status of your activities
• Provider Validation:  Maps of completed Provider service areas and data were furnished to the Providers for confirmation of the processed/aggregated information.
• Stakeholder Feedback: The state broadband mapping website includes a feedback function.
• Service Area Validation Data: The SNG wireline service area data is tabular and contains a separate record for each provider/ technology of transmission combination with an associated census block or TIGER road segment, depending on whether the size of the census block area (=/< or > 2 sq. mi.).
• Online Surveys, FCC, and Field Validation Data: The Public and Targeted Business/Household survey and field data were also collected in tabular database format, and represent a specific lat/long spatial location for each record.
• Validation Reporting: A matched percentage was obtained through SEAS for each of the database records.
• Business Logic Rules: Model Builder was used to build a model of GIS geo-processing tools to validate that the broadband data was consistent with the front end business logic rules of the SBI Data Transfer Model.
• Topology: The ArcGIS Validate Topology Tool was used to flag any topology issues in the broadband data.
• SBI Check Submission: The NTIA-provided SBI Check Submission tool is utilized to validate that the deliverable broadband data is consistent with the business logic rules set forth by the NTIA and a passing receipt is provided with the data submittal to NTIA.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

N/A

## Staffing

10j. How many jobs have been created or retained as a result of this project?

3.33

10k. Is the project currently fully staffed?　◯Yes　◉No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed
With the extension of the grant program through the supplemental and amended grant in Sept. 2010, we have yet to launch all of the programs included in our total grant.  Consequently, a number of jobs are currently planned for, but not yet filled, to support these additional projects.

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

20

10n. Staffing Table

| Job Title | FTE % | Date of Hire |
|---|---|---|
| State Broadband Analyst | 100 | 06/14/2011 |
| Program Administrative Coordinator | 50 | |
| Web Designer | 60 | |
| Computer Analyst | 100 | |
| Student Worker | 23 | |

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## Sub Contracts

10o. Subcontracts Table

| Name of Subcontractor | Purpose of Subcontract | RFP Issued (Y/N) | Contract Executed (Y/N) | Start Date | End Date | Federal Funds | In-Kind Funds |
|---|---|---|---|---|---|---|---|
| Michael Baker Jr., Inc | Broadband Mapping Support Services | Y | Y | 10/01/2009 | 07/31/2011 | 926,900 | 110,000 |
| Michael Baker Jr., Inc. | Broadband Mapping Support Services | N | Y | 08/01/2011 | 09/30/2012 | 598,576 | 105,631 |

| LA Geographic Information Center (LAGIC) | Broadband Mapping Data Validation and Planning | N | Y | 03/01/2010 | 02/28/2013 | 681,528 | 134,997 |
|---|---|---|---|---|---|---|---|
| LSU Agriculture Center | Broadband Technical Assistance Program | N | Y | 01/01/2011 | 12/31/2013 | 840,900 | 191,952 |
| TBD | Supplemental Grant Program Support | N | N | | | 2,715,577 | 472,119 |

| Add Row | Remove Row |
|---|---|

## Funding

10p. How much Federal funding has been expended as of the end of the last quarter?  $1,304,391        10q. How much Remains?   $5,345,288

10r. How much matching funds have been expended as of the end of last quarter?   $352,588        10s. How much Remains?   $1,410,997

10t. Budget Worksheet

| Mapping Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|---|---|---|---|---|---|---|
| Personal Salaries | $627,456 | $104,500 | $731,956 | $84,498 | $71,974 | $156,472 |
| Personnel Fringe Benefits | $178,742 | $31,180 | $209,922 | $28,935 | $22,390 | $51,325 |
| Travel | $0 | $28,000 | $28,000 | $1,787 | $0 | $1,787 |
| Equipment | $0 | $13,200 | $13,200 | $0 | $13,000 | $13,000 |
| Materials / Supplies | $80,000 | $536,106 | $616,106 | $17,040 | $77,155 | $94,195 |
| Subcontracts Total | $5,763,481 | $1,014,699 | $6,778,180 | $1,170,130 | $163,885 | $1,334,015 |
| Subcontract #1 | $926,900 | $110,000 | $1,036,900 | $944,856 | $105,544 | $1,050,400 |
| Subcontract #2 | $598,576 | $105,631 | $704,207 | $0 | $0 | $0 |
| Subcontract #3 | $681,528 | $134,997 | $816,525 | $225,274 | $58,341 | $283,615 |
| Subcontract #4 | $840,900 | $191,952 | $1,032,852 | $0 | $0 | $0 |
| Subcontract #5 | $2,715,577 | $472,119 | $3,187,696 | $0 | $0 | $0 |
| Construction | $0 | $0 | $0 | $0 | $0 | $0 |
| Other | $0 | $35,900 | $35,900 | $2,000 | $4,184 | $6,184 |
| Total Direct Costs | $6,649,679 | $1,763,585 | $8,413,264 | $1,304,390 | $352,588 | $1,656,978 |
| Total Indirect Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Costs | $6,649,679 | $1,763,585 | $8,413,264 | $1,304,390 | $352,588 | $1,656,978 |
| % Of Total | 79 | 21 | 100 | 79 | 21 | 100 |

## Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?   ◯Yes  ◉No

10v. If yes, please list

n/a

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

n/a

10x. Has the project team purchased or used any data sets?　◉Yes　○No

10y. If yes, please list
Info USA and TeleAtlas
SNG Internet Connectivity at address level
American Roamer LLC

10z. Are there any additional project milestones or information that has not been included?　○Yes　◉No
10aa. If yes, please list

n/a

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

n/a

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

n/a

## 11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan.  Be sure to include a description of each major activity / milestone that you plan to complete and your current status

• We completed three online surveys of local government institutions regarding the status of broadband service in their community. This data has been mapped at the parish (county) level to provide a visualization of under-served areas.  It also helps us identify the type of broadband service being provided to these anchor institutions.  We have mapped additional anchor institutions including major health care facilities, public safety (fire, police, EMS), government buildings and communication facilities.  The data shows, that even in some of our rural towns, community anchor institutions often have more than one Broadband provider to choose from.

• We are analyzing the results of earlier surveys of the following statewide groups:
o LA. Industrial Development Executives Association (LIDEA)
o LA. Geographic Information Systems Council
o LA. Assessors Association


• We have received approval by the Broadband Advisory Council Chair to meet with local public safety institutions (primarily Communication Districts) within the primary study area to collect address information
o Franklin Parish
o Richland Parish
o Madison Parish
o West Carroll Parish

• We have made presentations to the following broadband stakeholders
o Louisiana Chapter of the National Emergency Numbering Association
o Louisiana Geographic Information Systems Council in Baton Rouge, LA.
o Louisiana Assessors Association
o Louisiana Broadband Advisory Council in Baton Rouge, La.

• We have hosted three broadband symposiums, designed to educate and engage community leaders from challenged parishes in broadband topics.
o Monroe (April 19-20), servicing the Delta parishes
o Hammond (June 15), servicing the Florida Parishes
o Alexandria (August 9), servicing the Southwest and Central Louisiana parishes.
11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

We taught four Broadband Grant Workshops in the 18 Parish Project area.  The workshops averaged 12 people per workshop.  We

designed the workshops to explain the grant process and increase the number of acceptable grant applications.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning?  ◯ Yes  ⦿ No

11d. If yes, please describe these anticipated changes.  Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

N/A

## Funding

11e. How much Federal funding has been expended as of the end of the last quarter? $0          11f. How much Remains?          $0

11g. How much matching funds have been expended as of the end of last quarter?      $0          11h. How much Remains?          $0

| 11i. Planning Worksheet | | | | | | |
|---|---|---|---|---|---|---|
| Personal Salaries | $0 | $0 | $0 | $0 | $0 | $0 |
| Personnel Fringe Benefits | $0 | $0 | $0 | $0 | $0 | $0 |
| Travel | $0 | $0 | $0 | $0 | $0 | $0 |
| Equipment | $0 | $0 | $0 | $0 | $0 | $0 |
| Materials / Supplies | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontracts Total | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontract #1 | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontract #2 | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontract #3 | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontract #4 | $0 | $0 | $0 | $0 | $0 | $0 |
| Subcontract #5 | $0 | $0 | $0 | $0 | $0 | $0 |
| Construction | $0 | $0 | $0 | $0 | $0 | $0 |
| Other | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Direct Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Indirect Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| % Of Total | 0 | 0 | 0 | 0 | 0 | 0 |

## Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

We redesigned the Louisiana Broadband Website to include sections for citizens, local government, businesses, Internet Providers and the Broadband Advisory Council.  LAGIC is using Google Broadband Analytics to determine the number of people visiting the site and the most visited pages.  We plan to use the data to update the website, remove stale content and drive new visitors to the site.

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

N/A

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

• Statewide Address File Development Project
o Current Status:  no activity (projected start of project:  2012Q1).


• Statewide Broadband Capacity Building Project
o Current Status:
1.  General State Broadband Oversight / Reporting:  on-target; notably, working with LA Broadband Advisory Council to draft its 5-year strategic plan and policy recommendations for 2012 Legislative Session.
2.  Mapping / Address File Projects:  on-target; notably, in process of formalizing partnership with GOHSEP on Address File Project and in preliminary discussions with other potential public / private partners for the project.
3.  Technical Assistance Program: on-target with Connect My Louisiana and Sub-Grant (Round 1) applications - received 3 applications and are working to clarify requests before awarding deserving grants during 2011Q4.
4.  Other:  conducted third regional broadband symposium, redesigned Louisiana Broadband website, created social media accounts to support LA Broadband and are in preliminary talks with public / private funding sources for Louisiana-based broadband-oriented programs.

• Technical Assistance Program (Connect My Louisiana)
o Current Status: on-target; notably, trainers have been trained in 3 curricula and have launched citizen training in rural Louisiana ahead of schedule.

• Technical Assistance Program (Sub-Grant Program)
o Current Status
1. Round 1:  received 3 grant applications and are working with applicants to clarify requests prior to award (anticipate awards to be made in 2011Q4)
2.  Round 2:  have not yet developed Round 2 NOFA (anticipate to occur in 2011Q4, inclusive of all Louisiana rural parishes; Round 2 awards likely to occur in 2012Q1)

| 12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents. | |
|---|---|
| 12a. Typed or Printed Name and Title of Authorized Certifying Official<br><br>Neal   Underwood<br><br><br>Ass't Director Statewide Techn | 12c.  Telephone<br>     (area code, number, and extension)<br><br>(225) 219-4025 |
| | 12d.  Email Address<br><br>neal.underwood@la.gov |
| 12b.  Signature of Authorized Certifying Official<br><br>Submitted Electronically | 12e.  Date Report Submitted<br>     (Month, Day, Year)<br><br>10-27-2011 |