

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

40-50-M09059

4. Report Date (MM/DD/YYYY)

04-04-2011

1. Recipient Name

State of Oklahoma

6. Designated Entity On Behalf Of:

N/A

3. Street Address

2300 N Lincoln Boulevard,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Oklahoma City, OK 73105-4801

7. Project / Grant Period  
Start Date: (MM/DD/YYYY)

01-01-2010

7a. End Date: (MM/DD/YYYY)

12-31-2014

7b. Reporting Period End Date:

03-31-2011

9a. If Other, please describe:

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

Terral, Wavelinx, Grandlinx, and Whitespace – Owned by same company. Contacted again January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Ozark Telephone Company - Rural provider contacted again January 2011. Responded late for submission 3. Categorized 'Not Participating' for submission 3. NDA completed 3/3/2011. Received DWG files 3/16/2011. Will hold for submission 4.

Seneca Telephone Company –Part of Ozark - contacted again January 2011. Responded late for submission 3. Categorized 'Not Participating' for submission 3. NDA completed 3/3/2011. Received DWG files 3/16/2011. Will hold for submission 4.

Chickasaw Telephone Company – Rural provider contacted again January 2011. NDA executed 2/11/2011 and data received 2/11/2011. Categorized 'Data Received' for submission 3.

Oklahoma Western Telephone Company - Rural provider contacted again January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Pine Telephone Company - Rural provider contacted again January 2011. Data received 1/20/2011. Categorized as 'Data Received' for submission 3.

WEHCO Video, Inc. –Contacted again January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Fulltel- Contacted January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Logix Communications, LP - Contacted January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

University Corporation for Advanced Internet-Contacted January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Utopian Wireless Corporation- Contacted January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

Reach Broadband- Contacted January 2011. No response for submission 3. Categorized 'Not Participating'. Try again Submission 4.

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

For the rural TELCOS/ILECs, Sanborn derived data from legal descriptions, FCC Form 477 data provided by the providers and other available information along with support from those providers in submissions 1 and 2. This was a very time-consuming activity but Sanborn was successful in compiling the information for the majority of these providers. On submission 3, we received FCC Form 477 data from Fulltel, Logix Communications, LP and Reach Broadband. Providers that previously provided FCC Form 477 used the Provider Portal website to make edits to their data or they noticed the data wasn't as granular as they liked so they provided more detailed data that further refined their data in submission 3.

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

i. Preliminary QC of the data provided by the provider to make sure all relevant data are provided

- ii. QC of the data after data processing – this involves standard checks to ensure that values in fields are valid, spatial checks to make sure data are in the right locations and processed correctly, etc.
- iii. Providing check-plots/maps/web application to broadband providers with their data mapped.
- iv. Comparison of the data to publicly and commercially available broadband dataset – Exchange boundaries for DSL, MediaPrints for Cable and Fiber and others as deemed necessary. We are also using Speedtest.net data for some speed validations.
- v. Web Surveys
- vi. Speed Tests

The University of Oklahoma Center for Spatial Analysis, a member of the State Broadband Mapping Project team, will also conduct independent verification, which includes working with state GIS staff from across the state to do data validation.

10g. Have you initiated verification activities?  Yes  No

10h. If yes, please describe the status of your activities

Sanborn performs preliminary QC checks on the data from the time it arrives to when data are processed and put through final QC. This process has been applied to all datasets received from providers.

Coverage verification efforts consist of three means to collect data from Oklahomans: (1) mail survey; (2) Internet survey; and (3) phone survey.

We sent out or handed out 4200 printed surveys with return postage to all higher education institutions, Oklahoma Department of Human Services, Oklahoma State Department of Mental Health and Substance Abuse Services, some public schools, Choctaw National Health Care Center, Oklahoma Conference of Churches, Tribal Chairmen through the state, and all the Councils of Government.

We posted Internet surveys to the OKGIS Listserv with assistance from Geotechs from across Oklahoma.

We are conducting phone surveys targeting Community Anchor Institutions. We have distributed surveys in person to VA clinics, chambers of commerce, libraries and businesses in the northeastern portion of the state. When we receive Sanborn's latest NTIA submission, we will compare our survey points to their current map to determine where discrepancies exist.

Preliminary findings: 104 out of 1095 responses disagree with the Broadband coverage map based on provider data. Sanborn has updated the Broadband coverage map based on the findings. The 1095 responses are from 800 census blocks, in which 520 census blocks are in urban areas and 280 census blocks are in rural areas. More survey data are being geocoded and are ready to be analyzed against the latest coverage map submitted to NTIA by Sanborn.

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?

.5 FTE

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

N/A

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

N/A

10n. Staffing Table

| Job Title                             | FTE % | Date of Hire |
|---------------------------------------|-------|--------------|
| Broadband Mapping Project Coordinator | 50    | 04/01/2009   |

Add Row

Remove Row

### 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 |
|-------------------------------|---|------------------|-------------------------|------------|------------|---------------|---------------|
| The Sanborn Map Company, Inc. | Mapping vendor, data gathering for NTIA & State | Y                | Y                       | 01/28/2010 | 12/31/2011 | 2,761,129     | 154,460       |

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,102,980      10q. How much Remains? \$2,712,205

10r. How much matching funds have been expended as of the end of last quarter? \$329,462      10s. How much Remains? \$777,411

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         | \$340,750             | \$383,773          | \$724,523          | \$34,191               | \$34,344                | \$68,535             |
| Personnel Fringe Benefits | \$102,300             | \$144,869          | \$247,169          | \$10,357               | \$13,737                | \$24,095             |
| Travel                    | \$0                   | \$0                | \$0                | \$0                    | \$0                     | \$0                  |
| Equipment                 | \$0                   | \$0                | \$0                | \$0                    | \$0                     | \$0                  |
| Materials / Supplies      | \$48,000              | \$0                | \$48,000           | \$0                    | \$0                     | \$0                  |
| <b>Subcontracts Total</b> | <b>\$2,761,129</b>    | <b>\$578,231</b>   | <b>\$3,339,360</b> | <b>\$896,432</b>       | <b>\$281,381</b>        | <b>\$1,177,813</b>   |
| Subcontract #1            | \$2,761,129           | \$578,231          | \$3,339,360        | \$896,432              | \$281,381               | \$1,177,813          |
| 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                     | \$514,000             | \$0                | \$514,000          | \$162,000              | \$0                     | \$162,000            |
| <b>Total Direct Costs</b> | <b>\$3,766,179</b>    | <b>\$1,106,873</b> | <b>\$4,873,052</b> | <b>\$1,102,980</b>     | <b>\$329,462</b>        | <b>\$1,432,442</b>   |
| Total Indirect Costs      | \$49,006              | \$0                | \$49,006           | \$0                    | \$0                     | \$0                  |
| <b>Total Costs</b>        | <b>\$3,815,185</b>    | <b>\$1,106,873</b> | <b>\$4,922,058</b> | <b>\$1,102,980</b>     | <b>\$329,462</b>        | <b>\$1,432,442</b>   |
| % Of Total                | 78                    | 22                 | 100                | 77                     | 23                      | 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

NAVTEQ Address Database - Enterprise wide license for the State of Oklahoma. (Purchased in a prior quarter.)

10z. Are there any additional project milestones or information that has not been included?  Yes  No

10aa. If yes, please list

1. Web Mapping Application:

a. Oklahoma launched a new Map Gallery website containing PDF Maps of Broadband coverage in Oklahoma. The Oklahoma Interactive Maps and Map Gallery are being updated to reflect Submission 3 data.

2. Community Anchor Institutions:

a. The State sent letters to every Community Anchor Institution across Oklahoma requesting participation in the Community Anchor Survey and Speed Test. We have now collected surveys and speed tests from 228 Community Anchor Institutions across Oklahoma and added their information to the Oklahoma Broadband Maps.

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

Sanborn has faced minor challenges working with Rural Telcos and satellite companies. They have been able to mitigate them through discussions with the State and NTIA. Other issues and challenges have been the time taken to deal with providers, getting data from them in the correct format (or any usable format), making them understand the benefits of the program, etc. Sanborn has been able to do this through sheer persistence and tracking providers diligently in their Provider Tracker application.

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

None at this time.

## 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

1. Began collection of consumer data concerning the use of broadband in underserved and unserved areas.

a. Engaged Community Anchor Institutions located across Oklahoma to complete Broadband surveys and perform speed tests. Have collected information from 228 Community Anchor Institutions.

b. Engaged all State employees from across Oklahoma to complete Broadband surveys and perform speed tests from their homes. Have collected 1,166 public surveys and 3,960 speed tests.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

None at this time.

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

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?

N/A

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

None at this time.

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

Richard Clark

12c. Telephone  
(area code, number, and extension)

4055224971

12d. Email Address

richard.clark@osf.ok.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted  
(Month, Day, Year)

07-01-2011