

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

40-50-M09059

4. Report Date (MM/DD/YYYY)

07-11-2011

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:

06-30-2011

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 – All owned by same company. Currently categorized as 'Not participating'. Contacted again for Submission 4.

Oklahoma Western Telephone Company - Currently categorized as 'Not participating'. Contacted again for Submission 4.

WEHCO Video, Inc. – Currently categorized as 'Not participating'. Contacted again for Submission 4.

Fulltel- Currently categorized as 'Not participating'. Contacted again for Submission 4.

Logix Communications, LP - Currently categorized as 'Not participating'. Contacted again for Submission 4.

University Corporation for Advanced Internet - Currently categorized as 'Not participating'. Contacted again for Submission 4.

Utopian Wireless Corporation - Currently categorized as 'Not participating'. Contacted again for Submission 4.

Reach Broadband - Currently categorized as 'Not participating'. Contacted again for 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 thru 3. This was a very time-consuming activity but Sanborn was successful in compiling the information for the majority of these providers. Providers that provided FCC Form 477 have also utilized the Provider Portal website to make edits to their data to be included in Submission 4.

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

i. Preliminary QC of the data provided by the providers 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 are conducting phone surveys targeting Community Anchor Institutions. We have distributed surveys in person to VA clinics, chambers of commerce, libraries and businesses.

The survey information received during this quarter was compared to the Sanborn coverage map and a new validation geodatabase was provided to Sanborn. In addition, Sanborn was provided with all of the surveys for points that conflicted with information provided from the service providers. This information included the type of service the respondent currently receives. In addition, Sanborn was provided with all information provided from telephone surveys of Community Anchor Institutions.

Summary of findings: 284 out of 2031 responses disagreed with the Broadband coverage map based on provider data. Sanborn has updated the Broadband coverage map based on the findings. The 284 disagreements are from 261 census blocks, in which 21 census blocks are in urban areas and 240 census blocks are in rural areas. The 2031 responses are from 1246 census blocks, in which 720 census blocks are in urban areas and 526 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 the National Telecommunications and Information Administration (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	Mapping vendor, data gathering for NTIA & State	Y	Y	01/28/2010	12/31/2011	2,761,129	154,460

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,266,013 10q. How much Remains? \$2,549,172

10r. How much matching funds have been expended as of the end of last quarter? \$378,160 10s. How much Remains? \$728,713

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended

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	\$54,021	\$36,834	\$90,855
Personnel Fringe Benefits	\$102,300	\$144,869	\$247,169	\$16,725	\$14,734	\$31,459
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$48,000	\$0	\$48,000	\$0	\$0	\$0
Subcontracts Total	\$2,761,129	\$154,460	\$3,339,360	\$1,033,267	\$0	\$1,359,859
Subcontract #1	\$2,761,129	\$154,460	\$3,339,360	\$1,033,267	\$0	\$1,359,859
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	\$423,771	\$514,000	\$162,000	\$326,592	\$162,000
Total Direct Costs	\$3,766,179	\$1,106,873	\$4,873,052	\$1,266,013	\$378,160	\$1,644,173
Total Indirect Costs	\$49,006	\$0	\$49,006	\$0	\$0	\$0
Total Costs	\$3,815,185	\$1,106,873	\$4,922,058	\$1,266,013	\$378,160	\$1,644,173
% 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 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. The maps on the Oklahoma Map Gallery website depicting Broadband coverage in Oklahoma were updated to reflect the Submission 3 data.

2. Community Anchor Institutions:

a. The State sent follow-up emails to all of the Community Anchor Institutions across Oklahoma thanking those that have completed the Community Anchor Surveys and Speed Tests, and requesting those that haven't to please do so. We have now collected surveys and speed tests from 257 Community Anchor Institutions across Oklahoma and added their information to the Oklahoma Broadband Maps.

3. Provider Information:

a. New letters were sent out to the providers detailing the status of Submission 3 data which is now updated and loaded onto the Oklahoma web site as well as what will be coming for Submission 4 (moving to Census 2010).

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 the National Telecommunications and Information Administration (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 257 Community Anchor Institutions.

b. Engaged all State employees from across Oklahoma to complete Broadband surveys and perform speed tests from their homes. Have collected 1,208 public surveys and 4,292 speed tests.

2. We have established social media campaigns on Facebook, Twitter and Wordpress.com and continually send out messages encouraging individuals to take the online surveys. In addition we conducted phone surveys targeting Community Anchor Institutions beginning with those institutions in areas where no services were shown - predominantly in the NW quadrant of the state. Once we are able to reach a representative from a Community Anchor Institution, we ask them to provide survey information to all of their friends, colleagues and family members who are residents of the State. This will continue until either all Community Anchor Institutions are contacted or the project ends.

3. Surveys were hand delivered to a Day Care facility and a public elementary school serving predominately underserved children and families in the northeastern portion of Tulsa. In addition, project staff made a presentation to the Engineer's Society of Tulsa (EST) on the Oklahoma Broadband Initiative. Surveys were handed out at this conference as well. As a group we will continue to look for opportunities to hand out surveys and presentations within the State. Multiple follow-up responses from the conference participants were received and were informative about the issues surrounding Broadband service in the State.

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

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
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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)

08-18-2011