

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

40-50-M09059

4. Report Date (MM/DD/YYYY)

10-11-2011

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:

09-30-2011

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 are owned by same company; they are currently categorized as 'not participating'.

We will contact them again in Submission 5.

Oklahoma Western Telephone Company - they are currently categorized as 'not participating'. We will contact them again in Submission 5.

WEHCO Video, Inc. — they are currently categorized as 'not participating'. We will contact them again in Submission 5.

Fulltel- they are currently categorized as 'not participating'. We will contact them again in Submission 5.

Logix Communications, LP - they are currently categorized as 'not participating'. We will contact them again in Submission 5.

eVolve Business Solution LLC - they are currently categorized as 'not participating'. We will contact them again in Submission 5.

Utopian Wireless Corporation - they are currently categorized as 'not participating'. We will contact them again in Submission 5.

Meriplex communications - they are currently categorized as 'not participating'. We will contact them again in Submission 5.

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 4. 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 included in Submission 4. Providers will also utilize the Provider Portal website to make edits to their data to be included in Submission 5.

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.

vii. Sanborn is planning to implement additional QC checks as it pertains to 'changes and corrections' to provider data from one submission to another.

viii. Sanborn is also checking/confirming speed technology with providers based on NTIA guidelines.

The University of Oklahoma Center for Spatial Analysis, a member of the State Broadband Mapping Project team, is also conducting

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. During QC Sanborn utilized outside datasets such as speed tests and data received from crowd sourcing through digital surveys.

Letters were sent out to the providers detailing the data request and changes for Submission 4 (moving to Census 2010). Once the submission 4 data were received and processed, Sanborn notified the providers (via email) that the data had been updated and loaded onto the Oklahoma website for their review.

Coverage verification efforts consist of four means to collect data from Oklahomans: (1) mail survey; (2) Internet survey; (3) phone survey; and (4) face-to-face community contacts.

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. Sanborn was also provided with all information provided from telephone surveys of Community Anchor Institutions.

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? \$1,362,064 10q. How much Remains? \$2,453,121

10r. How much matching funds have been expended as of the end of last quarter? \$406,850 10s. How much Remains? \$700,023

| 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 | \$70,906 | \$40,379 | \$111,285 |
| Personnel Fringe Benefits | \$102,300 | \$144,869 | \$247,169 | \$22,338 | \$16,152 | \$38,490 |
| 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 | \$2,915,589 | \$1,106,820 | \$0 | \$1,106,820 |
| Subcontract #1 | \$2,761,129 | \$154,460 | \$2,915,589 | \$1,106,820 | \$0 | \$1,106,820 |
| 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 | \$937,771 | \$162,000 | \$350,319 | \$512,319 |
| Total Direct Costs | \$3,766,179 | \$1,106,873 | \$4,873,052 | \$1,362,064 | \$406,850 | \$1,768,914 |
| Total Indirect Costs | \$49,006 | \$0 | \$49,006 | \$0 | \$0 | \$0 |
| Total Costs | \$3,815,185 | \$1,106,873 | \$4,922,058 | \$1,362,064 | \$406,850 | \$1,768,914 |
| % 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. Community Anchor Institutions:

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.

2. The State held planning meetings and is preparing to implement additional planning tasks in line with our project plan for Broadband Planning. (See 11j.)

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing
 Sanborn faced some minor challenges converting from the 2000 to the 2010 census data. Sanborn modified their workflow and processing steps to accommodate the vintage change. Some providers were not prepared or did not have the ability to submit their data in 2010 census; therefore Sanborn converted the data during processing.
 Sanborn encountered minor challenges explaining to providers the changes to their data due to the changes from 2000 to 2010 census data.

Sanborn also continued to face minor challenges from a few large providers who provided speed information by Core Based Statistical Area (CBSA) instead of by census block and road segments. Sanborn aggregated the data and asked the providers to validate it.

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 1,263 public surveys and 4,789 speed tests.

2. We have established social media campaigns on Facebook, Twitter and Webpress.com and continually send out messages encouraging individuals to take the online surveys. In addition we conducted phone surveys targeting Community Anchor Institutions (CAI) beginning with those institutions in areas where no services were shown from the previous Broadband map. Once we are able to reach a representative from the CAI, we ask them to provide survey information to all of their friends, colleagues and family members who are residents of the State. When possible CAI's are directed to the web site with the speed test and asked to take the test and confirm the speed of their connection.

3. Additionally, we travelled through several small towns and interviewed residents who were present at local businesses – convenience stores, hardware stores, car lots, trailer home sales, town halls, grocery stores, hair salons, county commissioners offices and libraries, and interviewed individuals about the broadband service use at the business location and at their homes. We also mailed out surveys to private individuals. Extra copies of the survey were sent to businesses to provide to customers who visited the business.

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 |

| 11i. Planning Worksheet | | | | | | |
|-------------------------|-----|-----|-----|-----|-----|-----|
| 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?

Our Broadband Planning team worked on development of a detailed work plan spanning the next two years, based on our submitted project plan for Broadband Planning. Over the next two years the Broadband Planning team will:

- a) continue analysis of mapping data;
- b) define the challenges and opportunities to adoption of broadband;
- c) continue collecting consumer data concerning the use of broadband in underserved and unserved areas;
- d) identify and develop priorities and strategies for expanding broadband accessibility in the underserved and unserved areas;
- e) develop consumer education and awareness initiatives;
- f) develop a strategic plan that will leverage community colleges, schools, libraries, hospitals and other key community-based facilities to promote broadband applications and realize broadband potential for community development.

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)

10-27-2011