U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	40-50-M09059
	4. Report Date (MM/DD/YYYY)
	04-12-2012

1. Recipient Name	6. Designated Entity On Behalf Of:
State of Oklahoma	N/A

3. Street Address	8. Final Report?	9. Report Frequency
2300 N Lincoln Boulevard,	○ Yes	◉ Quarterly
		○ Semi Annual
5. City, State, Zip Code	◉ No	○ Annual
Oklahoma City, OK 73105-4801		○ Final

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:
01-01-2010	12-31-2014	03-31-2012	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

EasyTEL Communications - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
eVolve Business Solution LLC/Cincinnati Bell Inc. - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
Fulltel - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
Meriplex Communications, LDT - Still declined to participate. We will contact them again in Submission 6.
OneNet - Did not respond to data request. We will contact them again in Submission 6.
Rhino Communications - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
Stratos Offshore Services Company - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
Terral Telephone Co. - in addition, Wavelinx, Grandlinx, and Whitespace all are owned by Terral Telephone Co; Did not respond to outreach. We will contact them again in Submission 6.
Utopian Wireless Corporation - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
Vroom Wireless, LLC - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.
WEHCO Video, Inc. - Difficult contacting. Did not respond to outreach. We will contact them again in Submission 6.

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 5. 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 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. Issues found during Internal Validation are then pointed out to providers using the provider portal.
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 data from the FCC speed test for some speed validations.
v. Providing check-plots/maps/web application to broadband providers with their data mapped.
vi. Web Surveys conducted from our Oklahoma Broadband site.
vii. Speed Tests conducted from our Oklahoma Broadband site.
viii. Sanborn has implemented additional QC checks as it pertains to 'changes and corrections' to provider data from one submission to the next. Towards the end as we are preparing the data for submittal, we review the data to make sure there were no huge changes in

records between submissions. If something looks out of the ordinary we go back to the provider to verify.
ix. 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. Sanborn also provides each submission's non-confidential data to the University of Oklahoma Center for Spatial Analysis for additional verification. Any conflicts noted in the data by Oklahomans, based on outreach done by OU, are confirmed as valid by Sanborn and then given to the provider to validate/correct via Sanborn's provider portal.

We also 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 also provide survey information to all of their friends, colleagues and family members who are residents of the State. This will continue until all CAI's are contacted. We have begun traveling to targeted communities to both promote the Broadband initiative and collect validation data through face-to-face interviews with owners and employees of businesses.

The survey information received during this quarter was compared to the Sanborn coverage maps 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 submitted 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	12/31/2014	2,829,863	154,463

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,736,251   10q. How much Remains? $2,078,934

10r. How much matching funds have been expended as of the end of last quarter? $518,621   10s. How much Remains? $588,252

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	$111,647	$48,595	$160,242
Personnel Fringe Benefits	$102,300	$144,869	$247,169	$40,668	$19,438	$60,106
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	$2,829,863	$154,463	$2,984,326	$1,421,936	$0	$1,421,936
Subcontract #1	$2,829,863	$154,463	$2,984,326	$1,421,936	$0	$1,421,936
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	$445,266	$423,768	$869,034	$162,000	$450,588	$612,588
Total Direct Costs	$3,766,179	$1,106,873	$4,873,052	$1,736,251	$518,621	$2,254,872
Total Indirect Costs	$49,006	$0	$49,006	$0	$0	$0
Total Costs	$3,815,185	$1,106,873	$4,922,058	$1,736,251	$518,621	$2,254,872
% 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 Q2, 2010.)

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

10aa. If yes, please list

Community Anchor Institutions:
a. The State has continued to promote and increase the amount of Community Anchor Surveys and Speed Tests data gathered on the Oklahoma website. We have now collected surveys from 918 Community Anchor Institutions across Oklahoma and added their information to the Oklahoma Broadband Maps.
b. The State of Oklahoma is using their Broadband Outreach Initiative to also assist with increasing CAI numbers for future submissions.

Provider information:
a. Letters were sent out to the providers detailing the data request and changes for Submission 5. Once the submission 5 data was received and processed, Sanborn notified the providers (via email) that the data had been updated and loaded onto the Oklahoma website for their review.

Broadband Planning/Outreach:
a. The State held additional Broadband Planning/Outreach meetings and is continuing the tasks in line with our project plan for Broadband Planning. (See 11a.)

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing
Sanborn requested providers to submit their max advertised speeds in mbps format instead of the speed tiers. The speeds in mbps would provide Sanborn with more detailed information regarding the provider's service availability and allow more analysis to be conducted. Sanborn faced some minor challenges helping providers understand this request such as, ensuring the speeds in mbps and speed tiers were consistent when both formats were submitted, and verifying speeds in mbps were collected for each technology the provider offered. Sanborn confirmed with the provider when these challenges were presented or, if a resolution could not be confirmed, Sanborn defaulted to the speed tier.

Sanborn continues to encounter minor challenges explaining to providers NTIA's data model for wireline data. Sanborn works with the providers to explain the wireline data model and how census blocks less than two square miles are shown as served and census blocks greater than two square miles show only the road segments as served.

Sanborn also continued to face minor challenges from a large provider who provided speed information by Core Based Statistical Areas (CBSA) instead of by census block and road segments. Sanborn aggregated the data and asked the provider 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
The Broadband Planning team continued to collect materials and identify regional needs, preparing for the State's first public Broadband Outreach campaign. A Broadband Outreach Advisory Board was formed including members from broadband providers, municipal leagues, the Native American Broadband Association, the State Department of Commerce, the State Department of Libraries, the Regents for Higher Education and others. A kickoff meeting was held in February and subsequent meetings have been held to develop the Broadband Outreach materials. An informational brochure to be handed out during professional and community events has been developed along with a project logo. This logo is being used on all publications, the updated Oklahoma Broadband website, and all other relevant materials and functions to create a recognizable and consistent brand.

The Planning team has engaged Community Anchor Institutions located across Oklahoma to complete Broadband surveys and perform speed tests. We have now collected information from 918 Community Anchor Institutions. The team also engaged all State employees from across Oklahoma to complete Broadband surveys and perform speed tests from their homes. We have now collected 1,292 public surveys and 5,502 speed tests.

The team has manned booths at two professional events including the Oklahoma Association of Conservation Districts (OACD) and Geographic Information Systems (GIS) Day at the Capitol. Over 50 brochures were handed out at the OACD conference and over 100 brochures at GIS Day, along with several surveys completed for validation. Numerous personal contacts have been made with local communities to spread awareness of the Broadband Initiative and establish locations for future events. Further power point presentations have been developed to support Advisory Board activities.

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
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?

None at this time - the project is on schedule.

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

None at this time.

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 - the project is on schedule.

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) 04-18-2012