

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

46-50-M09053

4. Report Date (MM/DD/YYYY)

12-14-2011

1. Recipient Name

South Dakota Bureau of Information & Telecommunications

6. Designated Entity On Behalf Of:

State of SD/BIT

3. Street Address

700 Governor's Drive,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Pierre, SD 57501-2291

7. Project / Grant Period

Start Date: (MM/DD/YYYY)

12-20-2009

7a.

End Date: (MM/DD/YYYY)

12-19-2014

7b.

Reporting Period End Date:

12-31-2011

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
44	44	36	0	42	42

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

Mediacom has now provided data and this will be included in the next submission

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

N/A

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

1. Utilize school technologists (Electronic notification in Y2Q3). Completed for 10/1/11 submission and continuing for future.

2. Utilize K-12 students & faculty (will notify Y3Q1 due to new semester beginning).

3. Utilize higher education technical schools and universities student & faculty community (will notify Y3Q1 due to new semester beginning)

10g. Have you initiated verification activities? Yes No

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

1. Collecting data from our hosted speedtest.sd.gov site, FCC Consumer Broadband Test, and several individuals performing "drive-testing."

2. Driven nearly ~41,000 miles testing cellular signal and speeds, collecting over 14,630 cellular speed tests, 1.45 million signal tests.

3. We have a total of 28,400 speed tests from wireless /cellular and wireline services.

4. Continue to utilize internal government resources (Statewide I/T newsletter, state I/T organization, others to come.)

5. Sent a press release announcing the speedtest.sd.gov site.

6. Collected 415 WiFi hot spots from the public and will continue to improve.

7. Researched Form 477 filers for inclusion and will continue.

8. Gathered 9,715 Speed tests from our portal at SpeedTest.sd.gov.

9. Migrating the provider portal to South Dakota data center and servers.

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

Verification activities have begun.

Staffing

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

4.65

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?

3 FTE

10n. Staffing Table

Job Title	FTE %	Date of Hire
Broadband Capacity Builder	100	12/20/2009
Technology Planning Technician	100	06/01/2011
Network Architect	41	12/20/2009
Project Manager	25	12/20/2009
Technology Planning Manager	71	12/20/2009
Interns	56	06/01/2011
Broadband Administration	70	12/20/2009
Finance	2	12/20/2009

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
BroadMap, LLC	Broadband Mapping	Y	Y	12/01/2010	12/28/2014	1,326,407	252,000
Dakota State University	Broadband Planning	N	Y	09/20/2010	12/28/2014	158,120	0
SD Public Broadcasting	Broadband Planning	N	N	01/03/2011	12/28/2014	112,125	18,195
Bureau of Information & Telecommunications	Broadband Mapping	N	N	01/01/2011	12/28/2014	103,740	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,450,302 10q. How much Remains? \$4,279,113

10r. How much matching funds have been expended as of the end of last quarter? \$1,115,051 10s. How much Remains? \$317,290

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	\$1,774,290	\$450,000	\$2,224,290	\$248,927	\$202,645	\$451,572
Personnel Fringe Benefits	\$554,464	\$150,000	\$704,464	\$41,367	\$53,033	\$94,400

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	\$204,646	\$0	\$204,646	\$13,665	\$0	\$13,665
Equipment	\$825,584	\$105,522	\$931,106	\$103,084	\$0	\$103,084
Materials / Supplies	\$5,000	\$0	\$5,000	\$0	\$0	\$0
Subcontracts Total	\$1,700,392	\$270,195	\$1,970,587	\$978,791	\$270,195	\$1,248,986
Subcontract #1	\$1,326,407	\$252,000	\$1,578,407	\$873,410	\$252,000	\$1,125,410
Subcontract #2	\$158,120	\$0	\$158,120	\$0	\$0	\$0
Subcontract #3	\$112,125	\$18,195	\$130,320	\$18,195	\$18,195	\$36,390
Subcontract #4	\$103,740	\$0	\$103,740	\$87,186	\$0	\$87,186
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$665,039	\$456,624	\$1,121,663	\$64,468	\$589,178	\$653,646
Total Direct Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,450,302	\$1,115,051	\$2,565,353
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,450,302	\$1,115,051	\$2,565,353
% Of Total	80	20	100	57	43	100

Hardware / Software

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

10v. If yes, please list

4th Quarter 2011:

\$495 - Ookla - Custom Speed Test License

\$113.54 - 2 USB Drives

\$504.00 - 3 CONTRIBUTE CS5 WIN FULL LICENSE

3rd Quarter 2011:

\$1,026.71- I-pad and accessories-AT&T- 8/12/11

2nd Quarter 2011:

\$8,760 - (10) Qmapper software

\$759 - printer

\$137.52 - (2) USB flash drives

1st Quarter 2011:

\$43 keyboard

\$318-desktop MS Office software

\$1,495-Ookla software

\$69 - USB flash drive

\$840 - (2) monitors

4th Quarter 2010:

\$11,895-visual studio 2010 application developer software

\$2,475-laptop computer

\$109-blackberry

\$69-keyboard & mouse

2nd Quarter 2010:

\$21,959-virtualization software

\$23,152-servers to host web sites & mapping data

\$6,027-server operating systems

1st Quarter 2010:
\$20,011-ArcGIS license

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased
Additional computers for staff will be needed. When the staff transferred from their previous positions, they brought their computers with them. The computers will eventually need to be returned as those positions continue to be back-filled. One has just been identified for purchase in Y3Q1 - a notebook computer for the Technology Planning project at a cost of \$1528.

Additional upcoming purchases may include a couple of iPads (\$1,500), iPhone (\$300), and GPS units (\$4,000) for the address file project.

2GB USB drives will be ordered in 1Q2012 for increasing project awareness through the approved marketing plan (~\$5,000).

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

10y. If yes, please list

Datasets were purchased for Year 1 but were not renewed for Year 2. We are continuing to evaluate another source for addressing assistance and verification.

We are planning on purchasing a 3rd party dataset from Ookla - a 12 month subscription to Speedtest.net Application Mobile Results- All Android/iOS, Cellular/Wifi Results - South Dakota. We also hope to license 3 months of historical data, same dataset. Estimated \$20,000.

Also, we are considering purchasing Master Street Address Guide (MSAG) from CenturyLink (~\$5,000), per suggestion from a Broadband Advisory Team member. This still won't cover all counties, but it is a text file of addresses of individuals having phones in their homes. An agreement is currently being reviewed by attorneys.

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

10aa. If yes, please list

Project Plans submitted

Broadband Advisory Team

Broadband Advisory Team meetings reviewed all facets of the program

Several timely updates sent to members via e-mail

Broadband Advisory Team members providing contacts for Technology Assessments

Broadband Advisory Team members providing ideas and contacts for additional videos

Three Broadband Advisory Team members providing Public Service Announcements on various cable networks

Community Anchor Institutions (CAI)

CAI responses - 560 out of 3,000 sent

Technology Planning (formally Technical Assistance) / Computer Ownership Program

Statewide press release announcing the program gave good momentum in servicing CAI's through the program

Assessed a few CAI's as a pilot, continuing to schedule a larger, broader subset

All marketing efforts were launched early December

Added content on program to the state broadband website

October Mapping Data Collection Preparation and Submission

Notify Providers (complete)

Gather Data (complete)

Process & Ingest Data (complete)

Provider Verification (complete)

Submission (complete)

Address Files

33 counties have submitted data

Continue to work with the 911 Governance Board regarding county contacts and their participation

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

The subcontractor (10c) and funding (10t) areas have been revised in comparison to the PPR report for the 3rd quarter of 2011. Our report was accurate and complete to the best of our knowledge at that time. During the last quarter we determined that a more accurate reflection of the allocated budget is shown as above. There are no additional funds being requested and the scope of the project has not changed.

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

Statewide Broadband Portal - broadband.sd.gov updates:

Publish new and updated static maps

Interactive mapping website has been updated with current data including speed test results

To move away from FLASH we are testing a new Javascript based interactive map

Starting analysis of the data we currently have

Significant content improvements were made to the Technology Planning / Computer Ownership section

Continue to make the website more interactive and engaging (broadband stories, WiFi hot spots, Social Media)

Confirm address for speed test participants through address validation changes and improvements for speedtests

Online Mapping Provider Portal is being tested for hosting on state infrastructure. The Provider Portal is currently hosted by our mapping partner BroadMap. We would like to move it to a state-supported infrastructure.

Outreach:

Continue to meet with new groups, trade associations, organizations & conferences - some include SD Society for Technology in Education (SDSTE), SD Association of Telephone Cooperatives (SDATC) Fall Plant & Technology Workshop, 4th Annual Siouxland Symposium, SD E-Health Summit, and others

Build promotional videos - completed videos include law enforcement, speed test, agriculture, flood victim use of broadband, disability assistive technology, economic development, education changes, legislative uses.

Other videos/stories in various stages of completion

Monitor broadband stories including other states' social media accounts and re-tweet/Facebook meaningful data

Continue to receive consumer feedback and promote awareness

Online agriculture, residential and business surveys continue

Agriculture survey being sent (mailed in January 2012) to 6,500 Ag producers

Advertising will accompany the Agriculture survey delivery

Appearances on Tech Radio show continue

Recent press releases have generated statewide coverage on television, radio and in newspapers

Peer discussions held with other states

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

N/A

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

11i. Planning Worksheet						
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 have a fairly detailed project tracking report if interested in the specific details. Each program within the project meets on a weekly basis to update the SBI team on progress, setbacks and upcoming tasks.

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

1. Mapping project continues in a "productional manner". Very good participation from the telecommunications providers. We could use some ideas in the further analysis of the data. We feel we have good data but need assistance in deeper analysis / correlation of provider and verification data. Have contacted the SD State Demographer to utilize his assistance based on the 2010 Census analysis he is doing.

2. Addressing project has had ~50% participation from counties. We are hoping to supplement the address data with datasets from Century Link.

3. The Technology Planning aspect is finally getting going. The marketing and outreach portion has started with press releases and many media interviews. Assessment expectations are finalized and CAI registrations are starting to trickle in. We have high expectations for site assessments and finalizing the Computer Ownership grant application process in 1Q2012.

4. Planning and Capacity Building. The agricultural survey will hit the streets in 1Q2012. Have established a good partnership with the USDA / National Agricultural Statistics Service for utilizing their relationships with the farming and ranching community. Business and residential surveys will follow. Significant effective public outreach efforts via conferences and public service announcements. Public Service Announcements via rural systems have been positive and urban distribution began late 4Q2011. Advisory team meeting scheduled for 1Q2012.

Scheduling multiple conference calls with Grants Officer Brian Gibbons for 1Q2012. We wish to make SBI budget adjustments and need to insure the NTIA is on-board with all changes. Costs thus far have been lower than estimated so we wish to expand some of our existing efforts. We very much appreciate all of the cooperation and assistance we have received from the SBDD office.

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

Deb Larson

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

605-677-6411

12d. Email Address

Deb.Larson@state.sd.us

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

01-30-2012