

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

46-50-M09053

4. Report Date (MM/DD/YYYY)

07-18-2011

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:

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
39	41	35	0	4	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

(2) fixed wireless providers who originally decided not to participate (M&N Wireless and Northern Wireless) have been re-engaged in discussions. Unsure of whether they will provide any data but we have again reached out to them to encourage their participation. We successfully was able to contact another cable modem provider and have gained their participation. (MediaCom) but they have not supplied any data.

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 Q3)
2. Utilize K-12 students & faculty (Will notify when fall term begins)
3. Utilize higher education student and faculty community (Electronic notification in Q3)

10g. Have you initiated verification activities?  Yes  No

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

1. CAI Portal completed which allowed the providers to verify coverage areas online. 1,800 notifications have been sent. 300 speed tests completed thus far.
2. Crowd sourcing portal from state portal is completed. Speed tests have begun to be gathered from our own portal. 3,500 have been submitted from our own tool. speedtest.sd.gov
3. Utilize telecommunications providers (completed. Will continue to remind).
4. Utilize internal government resources (Statewide I/T newsletter, state I/T organization, others to come.)
5. Ingest data from FCC speed test resources (Downloaded). 2,800 tests thus far.
6. Compare to 3rd party data sources (Completed, though we do not plan to continue these in the future. As a confirmation for early aspects of the project - they were worthwhile. Going forward though, their effectiveness is not worthwhile).
7. Internal state resources The state has started its' own wireless speed and spectrum testing on AT&T & Verizon networks. 4,000 miles traveled, 333,500 wireless signal tests & 3,500 wireless speed tests.

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?

.75 FTE per quarter / 3 FTE per year

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?

.75 FTE per quarter / 3 FTE per year

10n. Staffing Table

Job Title	FTE %	Date of Hire
Broadband Capacity Builder	100	10/28/2010
Technology Assistance / Computer Ownership	100	12/03/2010
Technology Assistance / Computer Ownership	100	04/15/2011

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	GIS Mapping	Y	Y	01/01/2010	12/28/2014	1,326,407	252,000
Dakota State University	Broadband Planning	N	Y	09/20/2010	12/28/2014	299,860	0
SD Public Broadcasting	Broadband Planning	N	N	01/03/2011	12/28/2014	102,000	0

Add Row

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## Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,154,715      10q. How much Remains? \$4,574,700

10r. How much matching funds have been expended as of the end of last quarter? \$596,578      10s. How much Remains? \$835,763

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	\$1,663,037	\$450,000	\$2,113,037	\$120,983	\$0	\$120,983
Personnel Fringe Benefits	\$542,180	\$150,000	\$692,180	\$22,238	\$0	\$22,238
Travel	\$124,235	\$0	\$124,235	\$5,655	\$0	\$5,655
Equipment	\$1,090,680	\$105,522	\$1,196,202	\$100,283	\$0	\$100,283
Materials / Supplies	\$5,000	\$0	\$5,000	\$0	\$0	\$0
<b>Subcontracts Total</b>	<b>\$1,728,267</b>	<b>\$252,000</b>	<b>\$1,980,267</b>	<b>\$809,134</b>	<b>\$0</b>	<b>\$809,134</b>
Subcontract #1	\$1,326,407	\$252,000	\$1,578,407	\$809,134	\$0	\$809,134
Subcontract #2	\$299,860	\$0	\$299,860	\$0	\$0	\$0

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontract #3	\$102,000	\$0	\$102,000	\$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	\$576,016	\$474,819	\$1,050,835	\$96,422	\$596,578	\$693,000
Total Direct Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,154,715	\$596,578	\$1,751,293
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,154,715	\$596,578	\$1,751,293
% Of Total	80	20	100	20	41	24

### Hardware / Software

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

10v. If yes, please list

\$21,959-virtualization software

\$20,011-ArcGIS license

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

\$6,027-server operating systems

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

\$2,475-laptop computer

\$109-blackberry

\$69-keyboard & mouse

1st Quarter 2011:

\$43 keyboard

\$318-desktop MS Office software

\$1,495-Ookla software

\$69 - USB flash drive

\$840 - (2) monitors

2nd Quarter 2011:

\$8,760 - (10) Qmapper software

\$759 - printer

\$137.52 - (2) USB flash drives

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

Nothing that is known.

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.

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

10aa. If yes, please list

Project Plans Approved for Data Collection, Capacity Planning, Address Files & Technical Assistance / Computer Ownership

Broadband Advisory Team Meeting (3Q)

CAI Portal

CAI List refined.

Technical Assistance / Computer Ownership Program -

Request process  
Grant Application Process  
October Mapping Data Collection Preparation  
Notify Providers (complete)  
Gather Data (In progress)  
Process & Ingest Data (Planned)  
Provider Verification (Planned)  
Prepare for submission (Planned)

Address Files  
20 counties have submitted data. Need to individually contact remaining counties.  
Working with 911 Governance Board for letter of participation

Community Anchor Institutions  
Complete delivery of portal information to all groups  
Deliver Technical Assistance Program information

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

N/A

## 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:

New static reports  
Speed test maps  
Update dynamic report  
Header updates for aesthetic consistency  
Census blocks - Broadband services  
Make web site more interactive and engaging (broadband stories, WiFi hot spots, Social Media)  
Confirm address for speed test participants

Outreach

Continue to meet with new groups & conferences  
Build promotional videos  
Social media updates  
Finalize agricultural (working with Ag group) & business survey (Retailers Association)  
Complete plan for paper mailing of survey  
Tech Radio promotion  
Conference materials to be finalized

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
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  
 The project is gaining good momentum. Nearly all of the programs are in full swing and that particular program (TACO) is fully staffed but has to complete some procedures and policies. Mapping, verification, address files and outreach / planning are doing well. Verification efforts have really increased.

A suggestion would be to simplify the reporting process. Rather than having to duplicate all of the information from previous submissions, it would be a better investment of time to be able to update the NTIA on new activities, rather than starting over each quarter. Working within a .pdf form is not the easiest or most word-processing friendly package.

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

Jim Edman

Deputy Commissioner

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

(605) 773-4861

12d. Email Address

Jim.Edman@state.sd.us

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

08-04-2011