U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	46-50-M09053
	4. Report Date (MM/DD/YYYY)
	04-26-2011

1. Recipient Name	6. Designated Entity On Behalf Of:
South Dakota Bureau of Information & Telecommunications	State of SD / BIT

3. Street Address	8. Final Report?	9. Report Frequency
700 Governor's Drive,	◯ Yes ◉ No	◉ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Pierre, SD 57501-2291		

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:
12-20-2009	12-19-2014	03-31-2011	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
38	38	36	0	34	29

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 have decided not to participate (M&N Wireless and Northern Wireless). We successfully was able to contact another cable modem provider and have gained their participation. (MediaCom).

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. CAI Portal completed which allowed the providers to verify coverage areas online.
2. Crowdsourcing portal from state portal is completed. Speedtests have begun to be gathered from our own portal.
3. Utilize school technologists (May 2011 - waiting for CAI portal to be published & notifications to be sent).
4. Utilize K-12 students & faculty (May 2011)
5. Utilize telecommunications providers (completed)
6. Utilize internal government resources (May - June)
7. Ingest data from FCC speed test resources (Downloaded)
8. Compare to 3rd party data sources (Completed. Though we don 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).
9. Internal state resources (Q2 & Q3). The state will utilize dedicated broadband and other state employees while in the field. This includes temporary staff, permanent LAN Services staff already travelling, permanent Network Technologies staff travelling and other department staff. We also have the opportunity to utilize other departmental staffs but it is dependent on the tools required to participate. The specific tools and processes are still being completed.

Another issue that has delayed our verification activities is that SD is in the midst of a wireless migration from Alltel to AT&T. Testing of wireless coverage areas and speeds is a major component of our verification activities. We have been delaying our wireless tests until the migration from the different technologies is complete (EvDO to GSM). This migration will start in April and will complete in May / early June. When this is completed - it will allow us to test multiple technologies and carriers during the same timelines. The alternative was to make multiple trips and that is simply not an efficient, cost-effective approach.

10g. Have you initiated verification activities? ◉ Yes ◯ No

10h. If yes, please describe the status of your activities
Specific Verification plans began in 1Q and will continue through 2Q & 3Q. The activities include:
1. Broadband speed test using Ookla technology (completed - speedtest.sd.gov)

2. Notify the K12 community (CAI portal completed, we are 'culling' through the CAI portal list to delete duplicate institutions and addresses. We will notify technologists,students & teachers May 2011).
3. Notify the Higher Education community (same CAI considerations as above.)
4. Utilize the provider community from a technician support (completed)
5. Engage the general public through the state portal (completed)

Our broadband subcontractor (BroadMap) submitted the data collected directly to the NTIA for the Spring 2011 submission. For the October 2011 submission, the state will submit the data directly. In addition, the state is going to adjust our time lines for data collection to allow the state to review the data prior to NTIA submission. We did not built in enough time for a state review for any of the 3 initial collections so we will make that adjustment in 3Q. This time line will be moved up ~4 weeks. This will allow a much greater degree of verification than previously.

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?

.25 - Broadband Capacity Builder for 1Q 2011

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

The technology support person for the Technology Assistance Program has been hired and will start 2Q.

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

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	1,526,407	252,000
Dakota State University	Broadband Planning	N	Y	09/20/2010	12/28/2014	304,000	0
SD Public Broadcasting	Broadband Planning	N	N	01/03/2011	12/28/2014	102,000	0

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,030,589   10q. How much Remains? $4,698,826

10r. How much matching funds have been expended as of the end of last quarter? $530,400   10s. How much Remains? $901,941

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	$1,799,151	$450,000	$2,249,151	$86,095	$0	$86,095
Personnel Fringe Benefits	$586,743	$150,000	$736,743	$17,985	$0	$17,985
Travel	$114,265	$0	$114,265	$2,485	$0	$2,485
Equipment	$790,680	$105,522	$85,587	$90,021	$0	$90,021
Materials / Supplies	$5,000	$0	$5,000	$0	$0	$0
Subcontracts Total	$1,938,576	$252,000	$2,190,576	$789,511	$0	$789,511
Subcontract #1	$1,289,567	$252,000	$1,541,567	$763,511	$0	$763,511
Subcontract #2	$298,700	$0	$298,700	$14,000	$0	$14,000
Subcontract #3	$238,120	$0	$238,120	$12,000	$0	$12,000
Subcontract #4	$112,189	$0	$112,189	$0	$0	$0
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$495,000	$474,819	$969,819	$44,492	$530,400	$574,892
Total Direct Costs	$5,729,415	$1,432,341	$7,161,756	$0	$0	$0
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$5,729,415	$1,432,341	$7,161,756	$1,030,589	$530,400	$1,560,989
% Of Total	80	20	100	17	37	21

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.
1Q 2011
$43 - keyboard
$318 - desktop MS Office software
$1,495 - Ookla software
$69 - 32GB USB drive
$840 - (2) monitors

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

Hardware and software for last remaining staff person.
We may purchase some devices to assist in our verification efforts (iPad, Droid, Qmapper tool, etc.).

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

10y. If yes, please list
InfoUSA (Business) $4,000

InfoUSA (Residential) $10,000
Pitney Bowes - $4,861
American Roamer - $6,000
Media Prints - $457
ComSearch - $3,785

As noted above, it is doubtful we will renew any of these licenses.

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

10aa. If yes, please list
Project Plans (Completed March 2011 & resubmitted April 2011)
Provider Portal (Completed)
  Continued Requirements Gathering (1Q)
  Development & Test (1Q)
  Provider Portal Training (1Q)
  Provider Portal - production status (1Q)
Broadband Advisory Team Webinar (1Q)
CAI Portal (1Q)
  CAI List being edited (1Q). Will be completed in 2Q
Statewide Broadband Portal - broadband.sd.gov (1Q) completed
  Speedtest.sd.gov
  Benefits (Consumers & Business)
  Mapping (Interactive & static)
Technical Assistance / Computer Ownership Program - (complete)

April Mapping Data Collection Preparation (complete)
  Notify Providers (1Q)
  Gather Data (1Q)
  Process & Ingest Data (1Q)
  Provider Verification (1Q)
  Prepare for submission (1Q)

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

The portals mentioned last quarter are completed.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
2Q activities will focus on:
 Community Anchor Institutions
   User ids created
   Letter printed, enclosed & mailed
   Answer subsequent questions
   Follow up where appropriate
   Analyze results
Verification
  Resource planning / testing participants
  Obtain hardware & software needed
  Implement Training
  Build travel plans
  Notify K12 & Higher Education groups
Mapping
  Begin process of hosting mapping data internal to SD infrastructure
  Analysis of mapping data

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 Advisory Team has been formed; has met face-face twice, via webcasting once;

Marketing materials have been created & are being distributed (business cards, YouTube videos, etc).
Twitter and Facebook social media outlets are completed.
Presentations to telecommunications providers, SD Telecommunications Association, Public Utilities Commission, Office of the Governor, Office of Tribal Relations, K12 community @ TIE Conference & state librarian.
Online Survey capabilities completed (agriculture & residential survey is available)
 Survey questions gathered, reviewed & edited to a manageable number.
 Mailing process of surveys in design
 Contact with Department of Agriculture and National Agricultural Statistic Service to utilize their contacts in the agriculture community.

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

At this point in time, the emphasis is on execution of survey activities.

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

Momentum continues to build within the project. We have had a change in Governor's Administration and that has had an impact towards the project. The Project Manager has had a dual role as acting CIO. The state's broadband web site, Provider Portal & CAI portals have all been completed! The marketing of those resources will begin in earnest in 2Q.

The Data Collection process has worked relatively smoothly. 2Q and 3Q efforts in that area will focus on the data delivery process being hosted on SD infrastructure, rather than our broadband partner.

The reporting process should be simplified. 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.

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) 07-06-2011