U.S. DEPARTMENT OF COMMERCE					2. Award Or Grant Number 46-50-M09053		
Performance Progress Report				4. Report Date (MM/DD/YYYY) 04-16-2012			
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,				o. i mai resport.		Report Frequency Quarterly	
5. City, State, Zip Code Pierre, SD 57501-2291						Semi Annual Annual Final	
7. Project / Grant Period Start Date: (MM/DD/YYYY) 12-20-2009 10. Broadband Mapping	7a. End Date: (MM/DD/YYYY) 12-19-2014 10a. Provider Table	7b. Reporting Period End Date 03-31-2012	e:	9a. If Other, please describe: N/A			
Number of Providers Identified Providers Contacted A9 Number of Agreements Reached for Data Sharing Data Sets Received O A7 Number of Complete Data Sets Verified A7					ets Verified Yes • No		
N/A 10e. If you are collecting data throu activities to be undertaken in t	` ` `	action, extrapolation, etc), ρ	blease desc	cribe your pro	gress to	date and the relevant	
10f. Please describe the verification	n activities you plan to implemen	nt					
Verification activities in progress	. See 10h.						
10g. Have you initiated verification 10h. If yes, please describe the sta 1. Collecting data from our hoste testing", as well as data from lice 2. Driven over ~44,000 miles tessignal tests. 3. Gathered over 18,300 Speed 4. We have a combined total of 6. Continue to utilize internal govorganization, others to come.) 6. Sent a press release annound 7. Collected 415 WiFi hot spots 8. Researched and contacted F0 submissions. 9. In the final stages of migrating 10. We will re-evaluate the succeffective for our speed test efforted.	tus of your activities ed speedtest.sd.gov site, FCG ensed data sets from Ookla fitting cellular signal and speettests from our portal at Speetover 109,000 speed tests frowernment resources for data cing the speedtest.sd.gov site from the public and will conticc Form 477 filers for inclusing our provider verification poress of using our K12 and Hig	for Android and iOS deveds, collecting over 23,0 edTest.sd.gov. om wireless /cellular and collection and verifications. Etc. inue to improve. Sion in Data Collection and c	vices. 00 cellula I wireline son (Statev ctivities, a	r speed test services. vide I/T new nd will conti	s and 1	.7 million cellular , state I/T do so in new	

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? 5.21 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? 3 FTE 10n. Staffing Table Job Title FTE % Date of Hire 12/20/2009 **Broadband Capacity Builder** 100 **Technology Planning Assistant** 100 06/01/2011 **Network Architect** 12/20/2009 Project Manager 33 12/20/2009 **Technology Planning Manager** 100 12/20/2009 51 06/01/2011 Interns **Broadband Administration** 71 12/20/2009 Finance 21 12/20/2009 Add Row Remove Row **Sub Contracts** 10o. Subcontracts Table Contract RFP Issued Start Date **End Date** Federal Funds In-Kind Funds Name of Subcontractor Purpose of Subcontract Executed (Y/N)(Y/N)Broadmap, LLC **GIS Mapping** Υ Υ 12/01/2010 12/28/2014 1.326.407 252.000 **Dakota State University** Υ 09/20/2010 12/28/2014 446,815 **Broadband Planning** Broadband Planning/ Υ 01/03/2011 18,195 SD Public Broadcasting N 12/28/2014 101,885 Marketing Bureau of Information & **Broadband Planning** Ν Ν 01/01/2011 12/28/2014 115,000 Telecommunications Add Row Remove Row **Funding** 10p. How much Federal funding has been expended as of the end of the last quarter? \$1,675,592 10q. How much Remains? \$4,053,823 10r. How much matching funds have been expended as of the end of last quarter? \$1,195,626 10s. How much Remains? \$236,715

> Performance Progress Report OMB Approval Number: 0660-0034 Expiration Date: 12/31/2013

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	\$1,740,143	\$495,000	\$2,235,143	\$330,838	\$267,316	\$598,154
Personnel Fringe Benefits	\$565,231	\$85,000	\$650,231	\$54,979	\$68,936	\$123,915
Travel	\$143,254	\$20,000	\$163,254	\$18,679	\$0	\$18,679
Equipment	\$790,680	\$357,522	\$1,148,202	\$109,673	\$0	\$109,673
Materials / Supplies	\$5,000	\$0	\$5,000	\$3,526	\$0	\$3,526
Subcontracts Total	\$1,990,107	\$0	\$1,990,107	\$1,049,526	\$270,195	\$1,319,721
Subcontract #1	\$1,326,407	\$0	\$1,326,407	\$891,095	\$252,000	\$1,143,095
Subcontract #2	\$446,815	\$0	\$446,815	\$13,388	\$0	\$13,388
Subcontract #3	\$101,885	\$0	\$101,885	\$35,843	\$18,195	\$54,038
Subcontract #4	\$115,000	\$0	\$115,000	\$109,200	\$0	\$109,200
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$495,000	\$474,819	\$969,819	\$108,371	\$589,179	\$697,550
Total Direct Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,675,592	\$1,195,626	\$2,871,218
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,729,415	\$1,432,341	\$7,161,756	\$1,675,592	\$1,195,626	\$2,871,218
% Of Total	80	20	100	58	42	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?

●Yes ○No

10v. If yes, please list

1st Quarter 2012:

\$1,528 - Hewlett Packard - B85609 Notebook computer

\$220.50 - Software House - Acrobat Pro

\$4,840 - Syntech - 1,000 2GB Flash Drives

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 upcoming purchases may include a couple of iPads (\$1,500), iPhone (\$300), and GPS units (\$4,000) for the address file project.
10x. Has the project team purchased or used any data sets? No
10y. If yes, please list
Data sets 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 have purchased a 3rd party data set from Ookla - a 12 month subscription to Speedtest.net Application Mobile Results-All Androic iOS, Cellular/Wifi Results - South Dakota. We also licensed 3 months of historical data, same data set. The cost is \$15,040.
Also, we are working on 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.
In an effort to validate counties that didn't provide their data - we have obtained a data set from the South Dakota Secretary of State, a no cost, of the physical addresses of 500,000 SD registered voters.
10z. Are there any additional project milestones or information that has not been included? • Yes No
10aa. If yes, please list
April Mapping Data Collection Preparation, Submission & Display Notify Providers (complete) Gather Data (complete) Process & Ingest Data (complete) Provider Verification (complete) Submission (complete) Mapping display update (April)
Address Files 33 counties have submitted data Continue to work with the 911 Governance Board regarding county contacts and their participation Built web and mobile apps for address validation to be used by interns this summer Continue to normalize the dataset of South Dakota registered voters from the SD Secretary of State
Broadband Advisory Team (BAT) BAT quarterly meeting - updated group on all facets of the program Several timely updates sent to members via e-mail BAT members providing contacts for Technology Assessments, ideas and contacts for additional videos Three BAT members providing Public Service Announcements on various cable networks BAT members frequently providing relevant information to fellow team members BAT members requesting presentations to their memberships and associations

Technology Planning (formally Technical Assistance) / Computer Ownership Program

Performed 31 Technology Assessments across the state to a wide variety of CAI's

User education and best practice recommendations have been valuable and well received

Statewide press coverage on the program has been continual and very helpful to spread the word

Presentations to CAI's to explain the program continues

Governmental and organizational contacts used to promote the program

Continue to add and update content on program to the state broadband website

SDBI Grant Application and Scoring sheet finalized. Grant application to open up in April.

Community Anchor Institutions (CAI)

Tech Schools, University & K12 tech coordinators, computer teachers and administrators were sent e-mails asking them to have students, faculty and staff take the speed test

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

*Mapping data has been submitted and the verification efforts continue to be refined and improved - yet we continue to struggle with effective methods of comparing and analyzing data. We have employed the efforts of the state demographer for additional perspectives on how to best display and compare the data.

*Struggling to develop more detailed wireless signal radiation maps for internal use that deliver highly localized accuracy. Finding an accepted, repeatable model to develop reliable, locally accurate signal strength maps has been a challenge, and we are seeking vendors capable of assisting with software and/or services.

*Counties have not participated to the extent we expected for submitting address data. We are going to purchase another data set in addition to our own field verification efforts.

*Working on a budget revision proposal for the NTIA. Lessons learned and experiences gained indicate we need to make financial adjustments to improve our success.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project Data collection with our providers was very successful due to the great participation from the telecommunications providers in supplying their broadband data.

Verification efforts made an enormous improvement over previous submissions as we continue to build upon lessons learned. We were able to extensively scrutinize the accuracy and relevancy of the data collected from the providers as well as speed tests performed in workplaces, homes and on the highways across the state. Several verification analysis processes were used.

A virtual Broadband Advisory Team quarterly meeting was held in January in lieu of asking members to travel across the state in the frigid weather. Turn-out was excellent and it proved to be a successful alternative to consider again next winter.

Technology Assessments with our CAI's is off the ground and running. Assessments have taken place in schools, libraries, city offices, YMCAs and non-profits in large and small communities. CAIs across the state are continuing to register for the technical assessments.

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

New Javascript (non flash) based interactive broadband map has been published including additional features such as unserved and underserved layers

Advertised speed vs. actual speed test results maps are in progress

Creating high resolution coverage maps to send to each provider to better depict their coverage areas

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 plan to move it to SD data center.

Outreach:

Continue to meet with new groups, trade associations, organizations & conferences - some include SD Telecommunications
Association, Governors Office of Economic Development State Conference, East River Electric Rural Electric Economic Development,
Inter-Lakes Community Action Partnership, and others

Build promotional videos - additional completed videos include Healthcare / eMedicine and Tribal Relations

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 sent to 6,500 Ag producers - on average 35 responses per 66 counties (2300+ responses)

Appearances on Tech Radio show continue

Press releases continue to generate statewide coverage on television, radio and in newspapers

Peer discussions with other states has produced a day long meeting (setup by NTIA) with SBI planners to learn from each other

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.	? \$0		
11g. How much matching funds have been expended as of the end of last quarter? \$0				0 11h.	11h. How much Remains?		
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
11I. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project We continue to have very good response in working with the NTIA office. They are very responsive and we appreciate the high level of
cooperation and assistance provided to us.
During the project review process, it was discovered that the federal funds granted and proposed in-kind figure allocations that were utilized in the December 31, 2011 report and prior were incorrect. The total amount figures were correct. This report for the period March 31, 2012 corrects the federal funds granted and proposed in-kind figures to the approved budget figures.