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U.S. DEPARTMENT OF COMMERCE

Performance Progress Report
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2. Award Or Grant Number

46-50-M09053

4. Report Date (MM/DD/YYYY)

10-25-2011
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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: 09-30-2011	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
42	42	36	0	41	41

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 and provided new data. We successfully were able to contact another cable modem provider and have gained their participation (MediaCom) but they have not supplied any data. Redwood Wireless provider is now out-of business.

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). Completed for 10/1/11 submission and continuing for future.
2. Utilize K-12 students & faculty (Will notify during fall term)
3. Utilize higher education student and faculty community (Electronic notification in Q4)

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 ~19,000 miles testing cellular signal and speeds, collecting over 6,275 cellular speed tests, 625,000 signal tests.
3. We have a total of 15,370 speed tests from wireless /cellular and wireline services. (2 providers we don't yet have a speed test from are Consolidated Telecom & Frontier Communications)
4. Continue to utilize internal government resources (Statewide I/T newslettter, 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.
7. Researched Form 477 filers for inclusion.

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?
3 FTE
1 Broadband Manager
1 Communication Network Analyst
1 Computer Support Specialist

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	10/28/2010
Technology Assistance / Computer Ownership	100	12/03/2010
Technology Assistance / Computer Ownership	100	04/15/2011

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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

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,278,948   10q. How much Remains? $4,450,467

10r. How much matching funds have been expended as of the end of last quarter? $860,099   10s. How much Remains? $572,242

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	$183,220	$0	$183,220
Personnel Fringe Benefits	$542,180	$150,000	$692,180	$30,448	$0	$30,448
Travel	$124,235	$0	$124,235	$10,863	$0	$10,863
Equipment	$1,090,680	$105,522	$1,196,202	$102,372	$0	$102,372
Materials / Supplies	$5,000	$0	$5,000	$0	$0	$0
Subcontracts Total	$1,728,267	$252,000	$1,980,267	$828,734	$0	$828,734
Subcontract #1	$1,326,407	$252,000	$1,578,407	$828,734	$0	$828,734
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	$123,312	$860,099	$983,411
Total Direct Costs	$5,729,415	$1,432,341	$7,161,756	$1,278,948	$860,099	$2,139,047
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$5,729,415	$1,432,341	$7,161,756	$1,278,948	$860,099	$2,139,047
% Of Total	80	20	100	60	40	100

Hardware / Software

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

10v. If yes, please list
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.

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 evaluating another source for addressing assistance.

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
  Quarterly meeting reviewed all facets of the program
  Timely updates sent to members via e-mail

Community Anchor Institutions (CAI)
  CAI responses - 547 out of 3,000 sent
  Data received from 2 of 3 major healthcare providers with multiple locations
  Horizon Healthcare System - received their data and a new contact to work with

Technical Assistance / Computer Ownership Program -
  Feedback from BAT (advisory team) to change name to Technology "planning" instead of "assistance"
  Technicians are training and preparing for release of grant application

October Mapping Data Collection Preparation and Submission
  Notify Providers (complete)
  Gather Data (complete)
  Process & Ingest Data (complete)
  Provider Verification (complete)
  Submission (complete)

Address Files
  26 counties have submitted data. Need to individually contact remaining counties.
  911 Governance Board sent letter requesting county 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

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:
  Publish new and updated static maps
  Publish new and updated interactive maps
  Added additional layers to interactive map - displays results of our wireline-based and mobile-wireless testing
  Header updates for aesthetic consistency
  Continue to make web site 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

Outreach
  Continue to meet with new groups, trade associations, organizations & conferences - some include SD Retailers' Association, SD Stockgrowers' Association, SD MarketPlace, SD Association of Telephone Cooperatives, SD Rural Electric Association, and others
  Build promotional videos - completed videos include law enforcement, speed test, agriculture, and flood victim use of Broadband. Other videos/stories in various stages of completion.
  Social media updates - now have our own YouTube page, continue to monitor broadband stories including other states' social media accounts and re-tweet/Facebook meaningful data
  On-line agriculture, residential and business surveys continue
  Surveys - finalizing agricultural (working with Ag group) & business survey (Retailers Association)
  Tech Radio promotions continue
  Conference materials finalized and utilized
  Peer discussions held with other states
  Continue to receive consumer feedback and promote awareness

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
1. Mapping Project is going very well. The gathering of data from our providers is consistent. Our providers have willingly participated

with us.

The verification efforts keep improving. Our speedtest site is operational for our wireline constituents and we have spent hundreds of hours driving the state performing wireless testing.

The Community Anchor Institution response to our letters for testing and verification has been disappointing. Hopefully we can come up with ways to increase that participation.

2. The addressing project is slowly starting. We have received address data sets from 26 counties but were hoping to have a better participation. We're pursuing alternative data sets to supplement the local participation but are skeptical due to our rural nature of the state as to the quality of the data from outside parties.

3. The Technical Planning - Computer Ownership program is on the cusp of taking off. Progress is not where we envisioned we would be but we have overcome quite a few hurdles this quarter. We have our documentation and processes established. Have done initial site visit to test the process and expect significant progress in the next quarter. The grant program will follow the establishment of the Technical Planning steps.

4. Planning tasks are at a good stage. The Advisory team was expanded to include more areas and we met during the quarter. Continue to leverage this group for very good feedback and for obtaining their assistance in various efforts where their contacts and expertise are valuable. Rural surveys are being finalized and working with a group to directly target the agriculturatal residences. Marketing is increasing as we gathered much video from a variety of areas to build public service announcements. We have distributed the PSA's to 1 major provider but expect that increase in the 4th 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) 11-21-2011	