

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

28-50-M09063

4. Report Date (MM/DD/YYYY)

01-17-2012

1. Recipient Name

Office of the Governor, State of Mississippi

6. Designated Entity On Behalf Of:

n/a

3. Street Address

550 High St, Walter Sillers Bldg, Suite 2,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Jackson, MS 39201

7. Project / Grant Period  
Start Date: (MM/DD/YYYY)

01-01-2010

7a. End Date: (MM/DD/YYYY)

12-31-2014

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
42	42	42	42	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

N/A

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

We have extracted information from the following web site to build an initial inventory of reseller providers.

<http://www.mpus.ms.gov/utility/telecomm/telecomm-list.aspx>. We also have compared the resellers and FCC filers against their web sites to identify if they supply broadband services and to prepare for technical discussions with each company to potentially become a participating member.

We have continued to collect information from the Mississippi State web site and interactive map to further refine the broadband map.

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

This quarter was focused on the data submission update, incorporating NTIA's initial feedback, which was submitted on 10/19/11. We also updated the Broadband for Mississippi interactive map and landing page supporting this delivery. We also review the crowd sourcing input received from the public web site prior to the data submission, to modify the broadband map where needed.

We are currently in the process of reviewing other verification tools/companies that would support broadband analysis in rural areas.

Once we complete our tests and/or demos of these companies and identify the tools we wish to proceed with, a plan will be provided in a subsequent report.

10g. Have you initiated verification activities?  Yes  No

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

Validation - The provider portal was used again for the Fall 2011 data submission, which allows providers to validate their coverage areas in detail, submit any changes needed, and/or complete a final validation of their coverage prior to data submission. There were 35 providers that used the provider portal for validation.

Verification - 3rd Party Source Material and Crowd Sourcing –

As updates are incorporated into the broadband map based on provider input, we perform 3rd party verification using Pitney Bowes, Comsearch, American Roamer and/or Media prints for verification.

We also have started reviewing feedback received from the consumers, via the State interactive map, with providers such as AT&T and Comcast. We are also sending crowd sourcing feedback received for AT&T directly to a member there for confirmation of coverage.

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?

13.47

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?

13.47

10n. Staffing Table

Job Title	FTE %	Date of Hire
QC Specialist	2	3/22/2010
Data Sourcing Manager	16	11/30/2009
Sr. Quality Manager, Technical Project Manager	1	8/10/2009
Cartographic Specialist	24	8/31/2009
Cartographic Specialist	28	10/13/2009
Program Manager	43	10/19/2009
Database and Requirements Engineer	8	8/10/2009
Sr. Director, Finance and Administration	2	10/5/2009
Sr Web Designer	2	4/19/2010
Broadband Reporting Coordinator	100	01/01/2010
Broadband Assistant Coordinator	75	01/01/2010
Policy/Reporting Analyst	75	08/01/2010
Policy/Reporting Analyst	45	02/14/2011
Policy Aide	60	01/01/2010
Counsel	30	08/29/2011
Accounting Specialist	30	11/01/2010
Regional Coordinator 3	100	7/16/2011
Coordinating Director	50	5/1/2011
Regional Coordinator 2	100	7/16/2011
Assistant Extension Professor	67	11/1/2011
Regional Coordinator 5	100	7/16/2011

Regional Coordinator 1	100	7/16/2011
Evaluator	26	11/1/2005
Regional Coordinator 6	100	7/16/2011
Regional Coordinator 4	100	7/16/2011
Project Management	34	01/01/2011
Project Management	100	01/01/2011
Project Management	47	01/01/2011
Project Management	75	01/01/2011
Database and Requirements Engineer (Broadmap)	8	03/05/2010

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	To develop a statewide comprehensive assessment and mapping of current broadband infrastructure in MS	Y	Y	03/05/2010	12/31/2011	1,541,678	0
Mississippi Broadband Connect Coalition	o produce a comprehensive statewide strategic plan for improving digital literacy, increasing access to broadband and enabling greater adoption of broadband in the state.	N	Y	12/23/2010	12/31/2014	356,100	0
Mississippi State University- Extension Service	To identify barriers to the adoption of broadband service and information technology services, to create and facilitate local planning teams, and to establish computer ownership and Internet access programs.	N	Y	03/24/2011	12/31/2014	2,416,794	0
BroadMap, LLC	To develop a statewide comprehensive assessment and mapping of current broadband infrastructure in MS	Y	Y	12/29/2011	12/31/2012	444,765	0

Add Row

Remove Row

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$2,160,567      10q. How much Remains? \$4,851,124

10r. How much matching funds have been expended as of the end of last quarter? \$503,115      10s. How much Remains? \$1,368,867

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	\$852,335	\$135,642	\$987,977	\$374,382	\$134,192	\$508,574

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personnel Fringe Benefits	\$289,578	\$35,524	\$325,102	\$124,794	\$34,683	\$159,477
Travel	\$45,000	\$0	\$45,000	\$586	\$0	\$586
Equipment	\$0	\$130,000	\$130,000	\$0	\$0	\$0
Materials / Supplies	\$2,000	\$250,000	\$252,000	\$1,407	\$250,000	\$251,407
Subcontracts Total	\$5,322,777	\$65,000	\$5,387,777	\$1,659,398	\$0	\$1,659,398
Subcontract #1	\$1,514,678	\$0	\$1,514,678	\$1,229,890	\$0	\$1,229,890
Subcontract #2	\$2,416,794	\$0	\$2,416,794	\$272,439	\$0	\$272,439
Subcontract #3	\$356,100	\$0	\$356,100	\$157,069	\$0	\$157,069
Subcontract #4	\$1,035,205	\$65,000	\$1,035,205	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$500,001	\$795,300	\$1,295,301	\$0	\$84,240	\$84,240
Total Direct Costs	\$7,011,691	\$1,411,466	\$8,423,157	\$2,160,567	\$503,115	\$2,663,682
Total Indirect Costs	\$0	\$460,516	\$460,516	\$0	\$0	\$0
Total Costs	\$7,011,691	\$1,871,982	\$8,883,673	\$2,160,567	\$503,115	\$2,663,682
% Of Total	79	21	100	81	19	100

### Hardware / Software

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

10v. If yes, please list

Purchased in 2010:

Server - Dell PowerEdge R710 Dual Quad-core Intel@ Xeon@ X5550, 2.66Ghz,32GB, RAM 600c8,2 x 300G8 I5K SAS: \$35,000.00

Storage - Dell PowerVault MD I 000 Direct-Attach Storage, 3.0 Terabytes 5 x 600G8 I5K SAS: \$7,000.00

OS - Windows Server 2008 Standard R2 (5 CALs): \$700.00

RDBMS - SOL Server 2008 Licensing. 4 sockets: \$25,000.00

Map Server - ArcGIS Server Standard: \$40,000.00

Desktop GIS - ArcEditor: \$7,000.00

Shipping - \$500.00

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

N/A

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

10y. If yes, please list

Digital Baseline Maps \$5,500

Anchor Institution and Business Listing & Survey Data \$15,000

Household Demographic Data \$7,500

Educational Database \$3,000

US ZipCode and Zip+4 data \$5,000

Spectrum Holdings for Wireless Providers \$2,000

Geographic Boundary Data For All Cable Systems \$1,000

Wireless Marketed Coverage Patterns \$7,000

Wire Center Boundaries \$1,000

Central Office Locations \$800

Carrier Exchange Information \$4,000

Carrier Information \$2,000

Tower Maps \$2,000

Wireless Internet Service Provider Data \$5,250

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

10aa. If yes, please list

The project milestones for Leading Practices activities have now been planned out. For more details, please refer to the Q1 Supplemental Answers Document. We have also planned out the milestones for the addressing effort and have sent it to NTIA. Efforts are currently on hold until we receive approval from NTIA. Feedback on the Addressing Project Plan has been requested since August 2011, awaiting feedback and approval from NTIA.

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing. The following challenges are the same that have been reported in previous quarters and we're looking to NTIA for support/guidance to resolve these items:

1) Address/Basemap Data - It's been noticed by Providers and public users that geocoding on the State map is not locating some of their addresses. This is due to the address data available for the State, as many street level data does not have detailed and current address-level data in rural areas. Mississippi did request grant approval for a Master Address File to build up a stronger basemap, which would help alleviate this challenge, but funding was denied.

Update from previous report: NTIA has approved to use the \$500,000 in the "Other" section for address improvement, which we're hoping to start in year 2 of the program if NTIA agrees. Still awaiting approval/feedback from NTIA.

2) With the verification efforts continuing, there's a challenge balancing conflicts identified during the verification process and requesting updates or correctness in data collected/reported by the provider. Need to ensure the map is an accurate representation of broadband availability, but also need to ensure cooperativeness of the providers themselves.

3) The last challenge is feedback on the interactive map, where provider coverage displayed is being questioned by the public as it represents too generalized of a footprint (census block) or fiber isn't represented as a linear model, which would be more accurate. Need support from NTIA/FCC on future model changes to incorporate better requirements for reseller and business-only providers.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

Please see number 1 above - Address/Basemap 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

During quarter 4 2011, the major activities were drafting and editing the projects final plan, and hosting a public meeting in December to launch the plan. The plan was successfully launched, drawing to close the first year of the Mississippi Broadband Connect Coalition (MBCC). This creation of said plan was the overall goal for the organization - this milestone was reached on time and within budget.

One assistant extension professor was hired to manage the project and spearhead research related to the project. The team continues to work towards its three main short to medium term goals: (1) pursue community outreach and awareness; (2) identify and assess regional broadband uses, applications, and infrastructure; and (3) gear up for the establishment of regional advisory councils.

Community Outreach and Awareness Activities: (1) brochure, website, and FAQ were updated and continue to be used as major marketing tools; (2) twitter and facebook accounts are now being used; (3) approximately 153 events took place during this quarter contacting and informing around 1,500 people and/or organizations about the initiative. Identify and Assess Broadband Uses, Applications, and Infrastructure: (1) a series of three quick briefs based on the household survey were completed and are available online; more briefs will be completed in the future; (2) data compilation on the municipal internet and computer survey is complete; data compilation on community anchor institutions and Wi-Fi hotspots is mainly completed but data gathering will continue. Establishment of Regional Advisory Councils: The regional coordinators have identified, contacted, and recruited a core of key individuals in their region to serve as advisory council members. The advisory councils will develop and implement, aided by the regional coordinators, regional broadband adoption plans that reflect the unique needs and opportunities existing in these regions. Develop Educational Resources:

The team has developed 6

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

There have been no major challenges or obstacles encountered by the MBCC team, hence there has been no need for any mitigation strategies.

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?

No. It should be noted that the plan, while fully completed, is a working document. This is due to the rapid pace of developments in the broadband world. Thus, the plan may be updated in the upcoming years.

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

There have been no major challenges or obstacles encountered by the MBCC team, hence there has been no need for any mitigation strategies.

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project  
 The MBCC looks forward to supporting the implementation of their recommendations in the upcoming year. In regards to project year 2011, all major objectives were completed on time and within budget.

The Mississippi State University (MS State) team, in collaboration with MS State's Southern Rural Development Center, has

established a learning network with other land-grant University based Extension educators who are engaged in NIFA supported activities. The intent is to share promising practices and to help build a more comprehensive set of educational resources to support our broadband education and adoption activities.

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

David Johnson

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

1601432812

12d. Email Address

David.Johnson@its.ms.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

01-30-2012