U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	49-50-M09054
	4. Report Date (MM/DD/YYYY)
	03-30-2012

1. Recipient Name	6. Designated Entity On Behalf Of:	
Utah Public Service Commission	State of Utah	

3. Street Address	8. Final Report?	9. Report Frequency
Heber Wells Building, Fourth Floor, 160 East 300 South,	◯ Yes ◉ No	◉ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Salt Lake City, UT 84111-2305		

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:
01-01-2010	12-31-2014	03-31-2012	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
0	0	0	0	0	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

Altazip, a small wireless provider to whom the Project has provided technical support in the past, wished to report speeds above the speed tier domains currently suggest by NTIA for terrestrial fixed wireless. The speeds that Altazip reported are technically possible and may be currently provisioned to specific users, likely commercial. Altazip does not advertise these speeds (or any speed or pricing information) on their own website. The Project spoke with Altazip and presented a few options and ultimately decided to submit their data without any changes for the reporting period. In addition, the data provided posed other questions as to completeness and accuracy. The Project feels that providers who do not advertise speeds (and pricing) on their websites do not meet the criteria necessary to depict data outside of the standard category speeds on the National Broadband Map. Any clarification or guidance on this matter would be appreciated.

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

For every data submission by a provider, the Project Team continues to compile a submission summary to send back to the provider for review. The submission summary includes the data in FCC format, along with a written summary, highlighting any issues or concerns. The provider is then asked to verify with the Project via email or conference call that the data is correct.

The Project Team also plans to compare providers' reported speeds to the advertised speeds on their websites to identify any major discrepancies.

The team has been reviewing FCC and speed test data in conjunction with individual provider data and is developing a plan to incorporate this data into the mapping activities. It is anticipated that this activity will be completed during calendar year 2012.

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

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

The Project Team continues to conduct periodic interactive review sessions with Utah's providers, including large national and rural providers to better delineate service availability boundaries, speeds and technologies.

The team has also started reviewing provider websites to compared reported speeds to advertised speeds and will continue to use this as a verification tool on an ongoing basis.

The team is working on a strategy to incorporate speed test data into the mapping activities as mentioned in 10f.

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?

During Q1 3.23 jobs were created or retained as a result of this project. Jobs created include hours worked on the Broadband Project for the following activities: Two full time job have been created at the Utah Governor's Office of Economic Development (GOED) to conduct broadband outreach and planning activities. These jobs are responsible for 2.0 FTEs for Q1. Jobs created/retained by the State include hours worked on the Broadband Project by those employees at the Automated Geographic Reference Center (AGRC) responsible for broadband mapping project management, coordination with other state agencies and vendors, overseeing the development of a geodatabase to manage and store submissions from broadband providers, data coordination, data validation, project support, and web application development. The jobs at the AGRC are responsible for 640 hours worked or 1.23 FTE for Q1.   While this report indicates there are several active contracts, no work was performed by contractors on this project during Q1 2012.

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?

The Broadband Project is fully staffed at the current time. However in the future the Broadband Project Team anticipates a maximum of approximately 6 to 7 jobs during any individual quarter. This number will vary from quarter to quarter based upon future planned activities and associated work loads.

10n. Staffing Table

Job Title	FTE %	Date of Hire
GOED Broadband Mapping/Planning Project Manager	100	04/26/2010
GOED Broadband Mapping/Planning Project Coordinator	100	05/11/2011
AGRC Director	10	01/01/2010
AGRC Project Manager	16	01/01/2010
AGRC Data Coordinator	42	01/01/2010
AGRC Data Coordinator	24	01/01/2010
AGRC Data Coordinator	6	01/01/2010
AGRC Web Application Developer	1	01/17/2011
AGRC Web Application Developer	1	10/04/2010
AGRC Data Manager	22	01/01/2010
AGRC Data Coordinator	1	01/01/2010

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
International Research Center (Subcontract #1)	Broadband mapping provider outreach, data collection, and data verification activities	Y	Y	02/11/2010	10/11/2014	620,000	0

Utah Interactive (Subcontract #2)	Broadband project web page development and application integration into the Utah State web site	Y	Y	08/16/2010	12/31/2011	40,000	0
FME/Safe Software Inc. (Subcontract #3)	Data management portal software	Y	Y	01/31/2011	01/31/2016	230,000	0
To be Determined (Subcontract #4)	Local Government Activity Based Contracts for Addressing Project	N	N	05/01/2012	12/31/2014	200,000	0
To be Determined (Subcontract #5)	Broadband mapping provider outreach, data collection, and data verification activities. Award years 3 through 5.	N	N	07/01/2012	12/31/2014	600,000	0
To be Determined (Subcontract #6)	Broadband project web page updating and integration into the Utah State web site. Award years 3 through 5	N	N	05/01/2012	12/31/2014	45,000	0
To be Determined (Subcontract #7)	Contractor for interactive mapping, updating data portal, and use of crowd sourcing data. Award years 3 through 5	N	N	07/01/2012	12/31/2014	138,000	0
To be Determined (Subcontract #8)	Data sets for Wireless Data Verification	N	N	07/01/2012	12/31/2014	33,000	0
To be Determined (Subcontract #9)	Local Governmnet Activity-based Contracts for addressing project from Supplmental Award	N	N	05/01/2012	12/31/2014	175,000	0
Utah State University (Subcontract #10)	Conduct Determinants of Broadband Demand Study	Y	Y	01/24/2011	12/31/2014	90,625	0
To be Determined (Subcontract #11)	Conduct Public Awareness Campaign	N	N	06/01/2012	12/31/2014	230,000	0

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,611,486   10q. How much Remains? $3,584,539

10r. How much matching funds have been expended as of the end of last quarter? $850,259   10s. How much Remains? $448,748

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	$2,149,254	$119,895	$2,269,149	$849,577	$77,426	$927,003
Personnel Fringe Benefits	$223,800	$6,720	$230,520	$80,498	$0	$80,498
Travel	$138,131	$0	$138,131	$19,054	$0	$19,054
Equipment	$2,000	$0	$2,000	$0	$0	$0
Materials / Supplies	$78,625	$0	$78,625	$3,841	$0	$3,841
Subcontracts Total	$2,401,625	$0	$2,401,625	$649,941	$0	$649,941
Subcontract #1	$620,000	$0	$620,000	$493,023	$0	$493,023
Subcontract #2	$40,000	$0	$40,000	$30,518	$0	$30,518
Subcontract #3	$230,000	$0	$230,000	$78,900	$0	$78,900

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontract #4	$200,000	$0	$200,000	$0	$0	$0
Subcontract #5	$1,311,625	$0	$1,311,625	$47,500	$0	$47,500
Construction	$0	$0	$0	$0	$0	$0
Other	$202,590	$1,172,392	$1,374,982	$8,575	$772,834	$781,409
Total Direct Costs	$5,196,025	$1,299,007	$6,495,032	$1,611,486	$850,259	$2,461,746
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$5,196,025	$1,299,007	$6,495,032	$1,611,486	$850,259	$2,461,746
% Of Total	80	20	100	65	35	100

Hardware / Software

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

10v. If yes, please list

Annual software licensing/maintenance fees for the Utah Broadband website and FME Safe Software Desktop and Server were paid during Q1 2012 as part of the Project's website maintenance fees.

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

The annual software licensing/maintenance fees mentioned in 10v. will also be incurred in future years.

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

10y. If yes, please list

One-time copies of Media Print Cable Boundaries and American Roamer were purchased in the Spring of 2010 and used in the initial phases of the Project. The Project Team is currently not using commercial data sets as the data collected by the Project is more accurate and current.

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

10aa. If yes, please list

The mapping team has worked to support the planning team in preparing for presentations and other analysis. For example, during the quarter, the mapping team prepared an example of a high capacity broadband marketing map which shows a schematic overview of some of the high capacity connections in the state. This map was used at a presentation for the Utah Rural Telecom Association Annual Meeting to solicit feedback on how a high capacity map could be structured. The mapping team also provided maps showing broadband availability in each of Utah's tribal areas. These maps were presented at the annual Utah Tribal Leaders Meeting. During the quarter, the mapping team also worked with several fixed wireless providers to address propagation model issues identified by NTIA.

Also, see Q1 2012 Supplemental Answers Document for information on the Addressing Project.

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

There are some broadband providers in Utah that do not fit into the defined NTIA data model. For example, some providers use hybrid technologies, such as DSL and fiber, or terrestrial fixed wireless and DOCSIS. These hybrids allow for speeds outside of the NTIA defined subtypes. The Project Team has been working with NTIA on a case-by-case basis to resolve these issues.

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

The Project Team has begun working on the development of a higher-capacity broadband map for planning purposes to be used as a foundation for infrastructure mapping and coordination for broadband buildout. The team is initially focusing on collecting CAI data

from the Utah Department of Transportation, the Utah Department of Technology Services and Utah Education Network, who leases access from providers to deliver service to schools, libraries and state agencies. It is anticipated this work will be completed in early 2013.

Also, see Q1 2012 Supplemental Answers Document for information on ARRA 1512 corrections.

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

***Begin Circulation of Draft State Broadband Plan: Drafting, Coordination and Review of Plan, and Present to Governor for endorsement — in process. The Project Team has documented recommendations made during the Utah Broadband Advisory Council meetings which will be incorporated into the State Broadband Plan. Once a draft is finalized, the Project Team will work with the Council and other relevant stakeholders to review the plan and make any additional recommendations. The Project Team is also working with NTIA to make changes to the Project Plan. These changes will need to be finalized in order to complete the State Broadband Plan. It is anticipated that the Plan will be finalized during calendar year 2012.
*** Retain public outreach firm for Adoption Campaign: Draft, issue and review RFP and enter into contract with qualified firm— not complete. The Project Team is currently working with NTIA to approve changes to the Project Plan that will alter this milestone. See 11d for a detailed description of the proposed changes.

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

See 11a above for complete details on the challenges regarding the implementation and execution of the State Broadband Plan and Public Awareness Campaign. The mitigation strategy is to adjust the timeline for the execution of the State Broadband Plan as part of the official changes to the Project Plan. The Project Team is working with NTIA to transition the funding allocated to the Public Awareness Campaign to fund an economic development centered program that will target cities, counties and businesses that are non-adopters.

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

The Project Team is actively working with NTIA to discuss changes to the Project Plan. It is anticipated the changes may include: 1) transferring the approved public awareness campaign budget in years 3-5 to fund an economic development centered program that will target cities, counties and businesses that are non-adopters; 2) transferring the funds allocated for a mapping subcontractor in project years 3 through 5 to AGRC who has developed in-house capability to perform this work; and 3) transferring a portion of the funds allocated for a mapping contractor to increase the current budget for the address point development program. The Project Team will prepare and submit proposed modifications to the current budget and Project plan based on guidance from NTIA.

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

11i. Planning Worksheet						
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?

The Project Team conducted the following additional activities during the reporting period:

• Launched Monthly Newsletter to update stakeholders on broadband issues and the progress of the Project.

• Continued monthly Utah Broadband Advisory Council Meetings and discussed public safety, telehealth, Universal Service Fund (USF) reform and the 2012 Utah Legislative session. Recommendations from these discussions are being incorporated into the draft State Broadband Plan.

• Presented to the Utah 911 Committee and worked with the group to distribute a survey regarding broadband subscription, pricing and usage for Public Safety Answering Points (PSAP) in Utah.

• Monitored the 2012 Utah Legislative Session session to manage issues related to broadband deployment in Utah.

• Met with potential partners, including Utah State University Cooperation Extension System, the Division of Libraries, and the Utah Education Network, to discuss digital literacy and training programs.

• Worked with local cities to address broadband planning issues.

• Presented to the Utah Rural Telecom Association's Annual conference regarding mapping updates.

• Worked with the Utah Technology Advisory Board to create a map of existing state-owned or leased infrastructure and discussed strategies for increasing efficient build out and sharing of fiber in Utah.

• Met with several entities to discuss how federal USF reform could effect broadband maintenance and deployment in rural Utah.

• Worked with the Confederated Tribes of Goshute to address broadband planning issues and potential tax exemption for broadband build out.

• Presented mapping data regarding broadband availability on tribal lands to the annual Utah Tribal Leaders meeting.

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

As mentioned earlier, the Project Team anticipates making changes to the Project Plan and is coordinating with NTIA to have these changes approved.

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

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 Carol Revelt	12c. Telephone (area code, number, and extension)
	12d. Email Address crevelt@utah.gov
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 04-30-2012