

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
12-50-M09034

4. Report Date (MM/DD/YYYY)
10-25-2010

1. Recipient Name
Florida Department of Management Services

6. Designated Entity On Behalf Of:
Not applicable

3. Street Address
4030 Esplanade Way, Suite 180,

8. Final Report? Yes No
9. Report Frequency
 Quarterly
 Semi Annual
 Annual
 Final

5. City, State, Zip Code
Tallahassee, FL 32399

7. Project / Grant Period
Start Date: (MM/DD/YYYY)
12-01-2009

7a. End Date: (MM/DD/YYYY)
11-30-2014

8. Reporting Period End Date:
(MM/DD/YYYY)
09-30-2010

9a. If Other, please describe:
Not applicable

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 |
|--------------------------------|-------------------------------|---|--------------------------------------|------------------------------|------------------------------|
| 74 | 74 | 51 | 4 | 49 | 49 |

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

CyberStreet, Inc.: On April 14, the provider was contacted and the representative stated they had done research and read articles about "us" and the data collection efforts. They relayed their wishes to not participate and to not be contacted again. Fiberlight, LLC: On May 26, the provider sent an e-mail stating "We are not going to participate in the program." However, on October 4 a representative of the company indicated a willingness to participate and has recently provided partial data. Hotwire Communications, Ltd.: On April 7, an e-mail was received from the provider's counsel stating, "We have decided not to participate." Provider has been non-responsive to subsequent contact attempts. Omnispring, LLC: On July 23 the provider responded by phone and indicated that they "do not wish to be included in the project" Spirited Broadband: On April 29 the provider sent an e-mail indicating that they do not wish to participate in this round or any phase of the project and to kindly remove them from our contact list. Clearsurf Broadband: Numerous attempts to contact the provider occurred through the period ending August 17 but no return telephone calls were received, nor was data submitted to the mapping agent. Break Free Wireless Corporation: On June 24, a provider representative advised that they have decided not to participate at this time due to the issues with not wanting to report to the FCC at the moment. They may expand into WiMax in which case they will be requiring licenses. Kentucky Data Link, Inc.: On July 22, a provider representative replied to e-mail inquiry stating that they are "electing not to contribute at this time." No additional responses to outreach efforts have been received. Knology of Florida, Inc.: Provider was not able to participate at the time of the original data collection due to resource constraints. Outreach continues with this provider; however, no other responses to outreach have been received.

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 not collected any data through extraction programs.

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

ESRI is deploying and hosting Connected Nation's BroadbandStat (BBStat) web application. ESRI will house the customized BBStat application in their highly-available, monitored and managed environment. The scope of services includes setting up a staging environment for data verification and compatibility as well as a production environment for client access.

Connected Nation also collects consumer feedback in the form of broadband inquiries. These inquiries represent any type of communication received from the public regarding broadband service. Once broadband inquiries are received across the state, this information is overlaid with the broadband availability information which was collected through the SBDD program. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Broadband inquiries are able to provide three types of information: 1) residents who do not have broadband but want it; 2) residents who have broadband but want a different provider; and 3) residents who do not have broadband, but the broadband inventory maps indicate that they do. If residents within a region state that they are without broadband, but the broadband inventory maps show otherwise, this allows Connected Nation to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.

Before December 31, 2010, Connected Nation will target additional randomly selected companies in order to achieve a total field validation rate equal to or exceeding 20%.

10g. Have you initiated verification activities? Yes No

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

BroadbandStat is publicly available on the Connect Florida website and received a total of 278 visits between July 1, 2010 and September 30, 2010. Further press and public launch information around BroadbandStat in the future will lead to a higher volume of visits to the site. During this quarter, the Connect Florida project has received a total of 2 broadband inquiries.

Field validation testing has been conducted across numerous platform types (DSL, cable modem, mobile wireless, fixed wireless, and backhaul). During these extensive tests opportunities the Connected Nation staff conducted random spectrum analysis studies, confirmed the coordinates of above ground infrastructure (e.g. CATV plant, fiber and DSLAMs) and utilized WiMAX equipped laptops, 3G iPhones and other relevant equipment to conduct both on-net and off-net throughput speed tests. Mobile and WiMAX testing was conducted during both sunny and rainy weather conditions to analyze any possible anomalies attributed to these factors.

Connected Nation has completed 20 in-field validation tests against 9 unique broadband providers which represent 12.16% of the planned validation testing.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

not applicable, verification activities have been initiated per above.

Staffing

10j. How many jobs have been created or retained as a result of this project?

57

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

Not applicable

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

11.4 (DMS, Connected Nation- CN, University of Florida)

10n. Staffing Table

| Job Title | FTE % | Date of Hire |
|--|-------|--------------|
| DMS Program manager | 100 | 06/22/2009 |
| CN Associate Counsel | 3 | 12/20/2009 |
| CN Business Programmer Analyst | 2 | 12/20/2009 |
| CN CAI Data Analyst | 18 | 12/20/2009 |
| CN CAI Data Manager | 3 | 12/20/2009 |
| CN ETS Analyst | 30 | 12/20/2009 |
| CN ETS Manager | 7 | 12/20/2009 |
| ETS Sr. Analyst | 3 | 12/20/2009 |
| CN General Counsel | 4 | 12/20/2009 |
| CN GIS Analyst | 84 | 12/20/2009 |
| CN GIS Intern | 38 | 12/20/2009 |
| CN GIS Services Manager | 40 | 12/20/2009 |
| CN Outreach & Awareness Manager | 2 | 12/20/2009 |
| CN Outreach & Awareness Specialist | 6 | 12/20/2009 |
| CN Project Coordinator | 62 | 12/20/2009 |
| CN Project Management Director | 3 | 12/20/2009 |
| CN Project Manager | 86 | 12/20/2009 |
| CN Provider Relations Manager | 7 | 12/20/2009 |
| CN Provider Relations Specialist | 8 | 12/20/2009 |
| CN Research & GIS Analyst | 1 | 12/20/2009 |
| CN Research Analyst | 100 | 12/20/2009 |
| CN Research Analyst | 46 | 12/20/2009 |
| CN Research Manager | 10 | 12/20/2009 |
| CN State Services Manager | 3 | 12/20/2009 |
| CN State Services Specialist | 43 | 12/20/2009 |
| CN State Services Sr. Specialist | 1 | 12/20/2009 |
| UF Director of Operations (GeoPlan Center) | 5 | 12/20/2009 |

| | | |
|---|-----|------------|
| UF • Sr. GIS Analyst (GeoPlan Center) | 25 | 06/30/2010 |
| UF Principal Investigator (PURC Center) | 25 | 06/30/2010 |
| UF Project Leader (PURC Center) | 100 | 06/30/2010 |
| UF Communications Analyst (PURC Center) | 100 | 06/30/2010 |
| UF Senior Public Policy Analyst (PURC Center) | 65 | 06/30/2010 |
| UF Senior Public Policy Analyst (PURC Center) | 65 | 06/30/2010 |
| UF Simulation and Financial Modeling Analyst | 25 | 06/30/2010 |
| UF Administrative Assistant (PURC Center) | 20 | 06/30/2010 |
| 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 |
|-----------------------|---|------------------|-------------------------|------------|------------|---------------|---------------|
| Connected Nation | To assist the State of Florida to meet all of the mapping obligations of the SBDD grant | Y | Y | 01/27/2010 | 12/31/2011 | \$1,825,022 | \$0 |
| University of Florida | Broadband planning | Y | Y | 06/22/2010 | 06/30/2012 | \$484,828 | \$0 |
| Add Row | | | | | | Remove Row | |

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$359,013 10q. How much Remains? \$7,827,700
 10r. How much matching funds have been expended as of the end of last quarter? \$0 10s. How much Remains? \$2,235,209
 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 | \$2,534,876 | \$677,397 | \$3,213,273 | \$28,489 | \$0 | \$28,489 |
| Personnel Fringe Benefits | \$195,343 | \$224,151 | \$419,494 | \$1,257 | \$0 | \$1,257 |
| Travel | \$83,440 | \$0 | \$83,440 | \$0 | \$0 | \$0 |
| Equipment | \$0 | \$11,328 | \$11,328 | \$0 | \$0 | \$0 |
| Materials / Supplies | \$0 | \$5,544 | \$5,544 | \$0 | \$0 | \$0 |
| Subcontracts Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Subcontract #1 | \$1,825,022 | \$0 | \$1,825,022 | \$249,267 | \$0 | \$249,267 |
| Subcontract #2 | \$500,000 | \$0 | \$500,000 | \$80,000 | \$0 | \$80,000 |
| Subcontract #3 | \$3,726,347 | \$497,049 | \$4,223,396 | \$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 | \$12,000 | \$1,461,856 | \$1,473,856 | \$0 | \$0 | \$0 |
| Total Direct Costs | \$8,877,028 | \$2,877,325 | \$11,754,353 | \$359,013 | \$0 | \$359,013 |
| Total Indirect Costs | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Costs | \$8,877,028 | \$2,877,325 | \$11,754,353 | \$359,013 | \$0 | \$359,013 |
| % Of Total | 100 | 100 | 100 | 4 | 0 | 3 |

Hardware / Software

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

10v. If yes, please list

Hardware/software purchases for the project to date include the following:

- Broadband Stat
- ESRI ArchInfo/ArcGIS Software
- ESRI Software Maintenance
- Computers
- Ookla Net Metrics Speed Test Software

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

Remaining purchases may include SQL server for mapping geodatabase, SQL server software, multiple dedicated storage server, security application, additional backup replication solution, computers, a spectrum analyzer, GPS units, BroadbandStat maintenance, ESRI ArchInfo/ArcGIS maintenance, and speed test updates as well as computers and software maintenance.

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

10y. If yes, please list

Not applicable

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

10aa. If yes, please list

During the third quarter of 2010, Connect Florida successfully submitted the first update to the state's broadband map. The data update submission under the SBDD included the participation of 50% of the Florida provider community, or 37 of 74 total providers. Of the 37 participating providers, 15 supplied an update to their network or coverage area(s), while 16 reported no change. The remaining 6 represents providers who supplied initial submission data but were non-responsive in this update effort or could not verify coverage areas at the time of the submission. Of the 37 providers that are not represented in the submitted datasets, 9 either refused to participate in the voluntary program or have remained unresponsive to the numerous attempts at contact by Connect Florida. The remaining 28 providers were in some form of progress toward data submission but were not able to either submit or verify coverage areas at the time of the submission.

Field validation was performed in the northern and western areas of the state. Twenty (20) in-field validation tests were completed against 9 unique broadband providers representing a total of 12.16% of the broadband provider universe within the state of Florida. Additionally, changes were made to the Connect Florida website messaging surrounding the mapping language. Maps are described as more of a draft to reflect the developing nature of the map accuracy. The Connect Florida team continued coordinating efforts with the Florida broadband planning team in an effort to expand on identification and compilation of anchor institution data, and follow-up with organizations that participated in the initial submission to NTIA continued. CAI data received were refined, geocoded, prepared, and submitted to NTIA on September 30. Lastly, residential and business survey data was completed, analyzed, packaged, and delivered.

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

Some providers questioned what effect the Florida Sunshine Laws (Public Records Act) will have on Confidential Information provided to Connect Florida. Connect Florida continues to work closely with the provider community in conjunction with Florida Department of Management Services to encourage participation and field questions or concerns.

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

None to provide

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 team has worked to identify key stakeholders in Florida government across State, University and Local jurisdictions to interview and gather data to provide an assessment of Florida government sector broadband infrastructure and service offerings for opportunities to aggregate efficiency improvements. The team has interviewed and gathered data from the Department of Management Services, Florida DOT, Florida State University System and a representative sample of Cities and County telecom departments. The team is in progress researching and developing the comparison of other broadband systems for states of similar size as Florida; Ohio, New York, Pennsylvania and Illinois. The information collected has been compiled and written up as a resource piece for drafting the Final Report. The team has gathered research and is reviewing current state and federal trends for increasing broadband availability and adoption, industry trends, and technology trends among anchor institutions.

The team is researching current government models for providing broadband services either via outsourcing or in-sourcing. The team is evaluating and analyzing current government broadband contracts, costs, and service pricing. The team has been comparing Florida government network services, technologies and operations. The team has been researching current government organization and governance of broadband operations across jurisdictions. The team is developing a financial analysis of broadband service

investment model. The draft outline structure of the Final Report has been created and is being iteratively improved and updated. The current version at this date is at the link below: https://wcba-sharepoint.ad.ufl.edu/purc/broadband/Shared%20Documents/Bill%20Review/Broadband%20Strategy%20Planning%20Options%20Report_Outline_10_18_2010.docx

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing. Challenges in the project to date include the complexity of examining various state contract models and variations to develop comparable analysis. Challenges include data gathering from State and local government jurisdictions to develop comparative models for analysis. The team is working diligently to identify and reconcile variances to determine the beneficial views for comparison and recommendations in the final report. Challenge 1: Reluctance of Florida Department of Transportation to schedule further meetings and provide detailed information regarding the ITS network. FDOT has received multiple requests from other entities to use ITS fiber that is perceived by others to be "spare", while FDOT is of the view that it is precluded from doing so due to federal regulations associated with its receipt of federal reimbursement for constructing the communications network for transportation use only. DivTel management has worked with FDOT management to clarify the purposes of the Broadband Planning project, and gain the willingness of FDOT ITS management staff to have further meetings and provide more detailed information to the project team. The ultimate success of this approach will be demonstrated in the next quarter of the project. Challenge 2: Reluctance of Florida LambdaRail to provide detailed information regarding its customer base and financial operations. FLR is keeping much of its customer base and financial information confidential, perhaps because it has been involved recently in litigation with private telecommunications providers. The project team is both working with FLR to gain the information, and also closely reviewing public information sources in an effort to gather the best possible information. The project team believes in the end it will have sufficient information to address FLR networking. Challenge 3: Obtaining GIS data and attributes for local government communications networks.

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

None anticipated

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

| Planning Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|---------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
| 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?

There are not any additional milestones to add

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

challenges, obstacles and milestones were described in question 11b.

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

There is not any additional information that we wish to provide

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

Bill Price

Broadband Program Director

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

(850) 491-8764

12d. Email Address

Bill.Price@dms.myflorida.com

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

11-02-2010

Performance Progress Report
OMB Approval Number: 0660-0034
Expiration Date: 08/31/2010