| U.S. DEPARTMENT OF COMMERCE | 2. Award Or Grant Number |
|---|---|
| **Performance Progress Report** | 39-50-M09039 |
| | 4. Report Date (MM/DD/YYYY) |
| | 07/30/2010 |

| 1. Recipient Name | 6. Designated Entity On Behalf Of: |
|---|---|
| Ohio Office of Information Technology - DAS | State of Ohio |

| 3. Street Address | 8. Final Report? | 9. Report Frequency |
|---|---|---|
| 30 E. Broad Street, 39th Floor | ◯ Yes | ◉ Quarterly |
| | | ◯ Semi Annual |
| 5. City, State, Zip Code | ◉ No | ◯ Annual |
| Columbus, OH 43215-6108 | | ◯ Final |

| 7. Project / Grant Period Start Date: (MM/DD/YYYY) | 7a. End Date: (MM/DD/YYYY) | 8. Reporting Period End Date: (MM/DD/YYYY) | 9a. If Other, please describe: |
|---|---|---|---|
| 12/20/2009 | 12/19/2014 | 06/30/2010 | |

## 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 |
|---|---|---|---|---|---|
| 141 | 141 | 104 | 9 | 99 | 99 |

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

Avolve, Inc. – Avolve seemed to be responsive at one point as they informed us that they had sent their data, which we never did receive. We have tried multiple times to reach this provider through phone and e-mail since that time and have had no response. We continue to try and reach out to this provider, though communication seems to have stopped.

Community ISP, Inc. - We have tried multiple times to reach this provider through phone and e-mail and have yet to receive a response to any of the outreach. We will continue to reach out to this provider through various avenues, but have been denied to date.

First Communications, LLC – We have attempted to contact this provider several times. We had some progress in the beginning, being directed to a specific e-mail address. After several other attempts including being kept on hold for a lengthy amount of time and being sent to voice-mail boxes and denied direct numbers or e-mails, we believe there will not be much progress, but will keep working to connect.

Insight Communication - This provider has yet to be able to develop a NDA that they believe provides the protection that is necessary in order for them to share the type of data that is being asked. Connected Nation will continue to work with Insight to sign a NDA and to collect and include data under the next submission.

Linked Communications, LLC – There has been some contact with this provider, which at first, seemed would deem successful. Since that contact, where the provider promised data by deadline, they have failed to return numerous phone calls and e-mails. We will continue to work from that promise and try and restore communication.

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 Connect Ohio'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.

Connect Ohio also collects consumer feedback in the form of broadband inquiries. These inquiries represent any type of communications 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 Connect Ohio 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.

Beginning July 15, 2010 and before December 31, 2011 Connect Ohio will conduct field verification on 13 randomly selected

companies. Connect Ohio staff conducts "on-site" validation visits, meets with providers, searches for transmit sites, identifies households subscribing to services, conducts signal and speed tests for mobile broadband services as well as fixed (licensed and unlicensed bands) using an AVCOM spectrum analyzer and attends trade association conferences.

10g. Have you initiated verification activities? ⦿Yes ○No

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

BroadbandStat is available publicly on the Connect Ohio website and received a total of 1,487 visits between April 1, 2010 and June 30, 2010.

During this quarter, the Connect Ohio project has received a total of 131 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled one (1) for this quarter.

Connect Ohio is focused on verification processes such as (i) conducting random spectrum analysis studies, (ii) identification of tower sites and cross-referencing data against the Antenna Structure Registration and/or the Universal Licensing System hosted at www.fcc.gov, (iii) validating site coordinates using either a handheld Garmin eTrex Summit GPS unit or Microsoft Streets & Trips; and (iv) photographing and testing "wire-line" facilities such as DSLAMs and FTTx.

To date, Connect Ohio has completed "in-the-field" validation with 7 companies representing 5.07% of the broadband provider universe (based on criteria as established by the NTIA and the FCC) within the state of Ohio.

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

## Staffing

10j. When fully staffed, how many jobs do you expect to create or retain as a result of this project?

4.11

10k. How many full time equivalent (FTE) jobs do you expect to create or retain due to this project?

4.11

10l. Is the project currently fully staffed?　◉ Yes　◯ No

10m. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

10n. Staffing Table

| Job Title | FTE % | Date of Hire |
|---|---|---|
| Associate Counsel | 0.04 | |
| Business Programmer Analyst | 0.02 | |
| Chief Operating Officer | 0.03 | |
| Chief Policy Officer | 0.05 | |
| Communications Project Specialist | 0.01 | |
| Communications QA Specialist | 0.01 | |
| Communications Specialist | 0.04 | |
| Dir., Eng & Tech Services | 0.1 | |
| Director, Communications | 0.02 | |
| Director, National Outreach | 0.02 | |
| Director, Policy Development | 0.03 | |
| Executive Director, OH | 0.27 | |
| Executive Dir-Strat Prg Office | 0.03 | |
| General Counsel | 0.05 | |
| GIS Analyst | 0.76 | |
| Manager, GIS Services | 0.04 | |
| Manager, Policy & Research Communications | 0.07 | |
| Manager, Research Development | 0.05 | |
| Project Coordinator | 0.28 | |
| Project Manager | 0.11 | |
| Provider Relations Specialist | 0.07 | |
| Research & GIS Analyst | 0.11 | |
| Research Analyst | 0.74 | |
| Sr. Manager, GIS Services | 0.07 | |
| Sr. Stakeholder Relations Mgr. | 0.01 | |
| State Operations Manager | 0.92 | |
| Technical Engineering Analyst | 0.16 | |

## 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 |
|---|---|---|---|---|---|---|---|
| Connect Ohio | Mapping/Planning | N | Y | 12/19/2007 | 06/30/2011 | $968,843 | $443,186 |
| TBD | site address data development | N | N | | | $200,000 | $0 |

10p. How much Federal funding has been expended as of the end of the last quarter?  $396,625     10q. How much Remains?     $876,120

10r. How much matching funds have been expended as of the end of last quarter?  $164,594     10s. How much Remains?     $149,219

10t. Sub Contracts Worksheet

| Mapping Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|---|---|---|---|---|---|---|
| Personal Salaries | $59,196 | $0 | $59,196 | $0 | $0 | $0 |
| Personnel Fringe Benefits | $20,718 | $0 | $20,718 | $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 | $1,192,831 | $313,813 | $1,506,644 | $396,625 | $164,594 | $561,219 |
| Subcontract #1 | $992,831 | $313,813 | $1,306,644 | $396,625 | $164,594 | $561,219 |
| Subcontract #2 | $200,000 | $0 | $200,000 | $0 | $0 | $0 |
| Subcontract #3 | | | | | | |
| Subcontract #4 | | | | | | |
| Subcontract #5 | | | | | | |
| Construction | $0 | $0 | $0 | $0 | $0 | $0 |
| Other | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Direct Costs | $1,272,745 | $313,813 | $1,586,558 | $396,625 | $164,594 | $561,219 |
| Total Indirect Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Costs | $1,272,745 | $313,813 | $1,586,558 | $396,625 | $164,594 | $561,219 |
| % Of Total | 80 | 20 | 100 | 71 | 29 | 100 |

## Hardware / Software

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

10v. If yes, please list
- Broadband Stat
- ESRI ArchInfo/ArcGIS Software
- ESRI Software Maintenance
- Computers
- Ookla Net Metrics Speed Test Software

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

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

Remaining year one 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, and GPS units. Year two purchases may include BroadbandStat maintenance, ESRI ArchInfo/ArcGIS maintenance, and speed test updates as well as computers and software maintenance.

10y. If yes, please list




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

10aa. If yes, please list




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




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




## 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 Connect Ohio (COH) program office oversees ongoing and future planning and current funding throughout the state to ensure that this program is sustainable. The office has requested funding through the grant extension that was made available by the NTIA. The county priorities have been identified and the project phase is being developed in almost all communities across the state including infrastructure, public awareness, adoption, and training initiatives.

On behalf of the state of Ohio, COH is working with its subcontractors to collect and analyze demand-side data through statistical telephone surveys. These surveys collect data on broadband and computer use and barriers to use among residents by demographic and among businesses by size and industry sector. The 2010 residential surveys were conducted in March, 2010, by Thoroughbred Research. Analysis and processing of these results continued through Q2, 2010 with help from Lucidity Research to be released Q3, 2010.

COH also designed the 2010 business survey. Thoroughbred Research started this survey in June, 2010; analysis of these business survey responses will begin in Q3, 2010, with results released in Q4, 2010. Updates to the residential and business surveys will occur in Q1, 2011 and Q3, 2011, respectively. This data was analyzed with supply-side broadband data gathered through the Ohio SBDD mapping grant. The primary tool for this ongoing analysis is BroadbandStat, launched on 2/24/2010, an interactive, web-based GIS application that offers location-based consumer feedback on the accuracy of the map, as well as an interactive tool for data analysis, planning, and decision-making.

COH will continue to work closely with the state to facilitate research-based and data-driven planning discussions, prepare an analysis of broadband availability and adoption data, and develop recommendations for achieving broadband sustainability across the state of Ohio.

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

The only challenge is as our project assessment teams become project enablement teams they become smaller in size. Further, as we move into regional meetings we need to maintain critical mass and identify best practices in order to continue advancement.

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 State of Ohio in collaboration with Connect Ohio submitted the SBDD Amended and Supplemental Grant Program application on July 1, 2010.

## Funding

11e. How much Federal funding has been expended as of the end of the last quarter? $75,764    11f. How much Remains?    $424,230

11g. How much matching funds have been expended as of the end of last quarter?    $72,159    11h. How much Remains?    $57,214

11i. Funding 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 | $499,994 | $129,373 | $629,367 | $75,764 | $72,159 | $147,923 |
| Subcontract #1 | $499,994 | $129,373 | $629,367 | $75,764 | $72,159 | $147,923 |
| Subcontract #2 | | | | | | |
| Subcontract #3 | | | | | | |
| Subcontract #4 | | | | | | |
| Subcontract #5 | | | | | | |
| Construction | $0 | $0 | $0 | $0 | $0 | $0 |
| Other | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Direct Costs | $499,994 | $129,373 | $629,367 | $75,764 | $72,159 | $147,923 |
| Total Indirect Costs | $0 | $0 | $0 | $0 | $0 | $0 |
| Total Costs | $499,994 | $129,373 | $629,367 | $75,764 | $72,159 | $147,923 |
| % Of Total | 79 | 21 | 100 | 51 | 49 | 100 |

## Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?
• Integrated the requirements of Ohio's SBDD award into the Connect Ohio deliverables schedule
• Refined the list of providers to include all newly identified and existing providers and completed the data collection from each participating provider
• Maintained and updated the Connect Ohio website with revisions of the state and county maps, along with an explanation of the program and the reasons for gathering information from the consumer community
• Continued to process speed tests and website broadband inquiries from the Connect Ohio speed test portal
• Maintained the communications and outreach strategy plan
• Conducted regular Connect Ohio project team meetings
• Communicated internally to ensure that each detailed data collection activity was recorded
• Maintained and updated the broadband data collection activity log and produced daily status reports for internal and external use
• Distributed and executed NDAs with the provider community.
• Securely stored executed NDAs
• Conducted webinars with provider community
• Conducted demonstrations of the BroadbandStat product to the stakeholder community
• Released BroadbandStat on the Connect Ohio website and instructed residents and stakeholders on its use and value
• Requested updated broadband coverage coordinate data sets from provider community.
• Received broadband coverage coordinate data sets from provider community
• Distributed broadband coverage data sets to GIS Mapping team for processing
• Delivered the final April 30, 2010 iteration of the Ohio Broadband map to the Ohio Stakeholders and the NTIA
• Connect Ohio worked to produce and refine the final NTIA package for the Connect Ohio SBDD Amended and Supplemental Grant Program that was due on July 1, 2010

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

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
The current program office is established and will be continued with the anticipated funding from the extension grant opportunity provided by the NTIA. Regional teams will be created and maintained for planning purposes, statewide stakeholder committees and Technology Association events will continue to support the planning initiative across the state.

Connect Ohio has used part of their planning time to make an application for funds which will enable sustainable adoption, increased capacity and will further Broadband access across the state. These plans and projects have been submitted both by connect Ohio as well as by community planning teams and associated private companies who have been enabled through research and assistance provided by Connect Ohio.

11m. Are you submitting the required PROVIDER DATA with this PPR?   ○ No   ● Yes

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 | 12c. Telephone (area code, number, and extension) |
|---|---|
| KATRINA FLORY, ADMINISTRATOR | 614-995-5466 |
| | 12d. Email Address  Katrina.flory@oit.ohio.gv |
| 12b. Signature of Authorized Certifying Official | 12e. Date Report Submitted (Month, Day, Year)  7/30/10 |