

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

34-50-M09066

4. Report Date (MM/DD/YYYY)

01-18-2011

1. Recipient Name

State of New Jersey

6. Designated Entity On Behalf Of:

NJ Office of Information Technology

3. Street Address

300 Riverview Plaza,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Trenton, NJ 08625-0212

7. Project / Grant Period

Start Date: (MM/DD/YYYY)

02-01-2010

7a.

End Date: (MM/DD/YYYY)

01-31-2015

7b.

Reporting Period End Date:

12-31-2010

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
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

One provider, Hotwire Communications, stated that the process was too onerous and declined to submit data. Lightower Fiber Networks (also New Jersey DataNet Telecom) is currently constructing their network and will not have data to submit until SPRING 2011. Lastly, although Broadview Network Holdings provided data, it arrived too late to be included in the FALL 2010 submission. Broadview's data will be included in the SPRING 2011 submission. NOTE: Of the 65 providers identified by FRN, approximately 50% do not meet the NOFA definition.

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

Cogent Communications did not submit data, rather they referred us to the data available on their public web site. All data from Cogent was collected from that site. We completed a consumer phone survey of 3,101 NJ residents including an oversample of 1,241 non-adopters. The survey data is being used for both verification and planning work. We are conducting a limited longitudinal study of plan offerings using web data and expect to expand this with the funds in the amended application.

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

- \* Provider Name and FRN verification against FCC data
- \* Coverage area limited to NJ
- \* Address verification via geo-coding
- \* Validate data in all fields (i.e., census block ids, TIGERLine street segments, speed tier codes)
- \* Technology and speed consistency checks (versus known provider capabilities and/or Web site advertisements)
- \* Visual inspection of individual provider coverage maps for outlier detection
- \* Data consistency across tables
- \* NTIA validation rule set (i.e., speed codes versus technology, overview versus detail consistency)
- \* FCC speed test data checks
- \* Verification from survey data
- \* Enhanced longitudinal study from scraper data

10g. Have you initiated verification activities?  Yes  No

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

All data provided by providers in 2010 was verified using the aforementioned tactics

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

USE OF FCC SPEED TEST DATA: 1Q2011

**Staffing**

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

2.8 positions were retained as a result of the Broadband Mapping program

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?

N/A

10n. Staffing Table

Job Title	FTE %	Date of Hire
Executive Director/Senior Principal Engineer	30	03/01/2010
Principal Engineer	100	03/01/2010
Senior Systems Engineer	100	03/01/2010
Senior Systems Engineer	10	03/01/2010
Principal Engineer	40	03/01/2010

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
Telcordia Technologies	Perform data collection and planning activities	Y	Y	05/25/2010	05/25/2012	3,637,387	480,304

Add Row

Remove Row

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$523,524      10q. How much Remains? \$4,402,582

10r. How much matching funds have been expended as of the end of last quarter? \$154,098      10s. How much Remains? \$1,163,475

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	\$840,000	\$358,286	\$1,198,286	\$0	\$114,811	\$114,811
Personnel Fringe Benefits	\$292,656	\$128,983	\$421,639	\$0	\$39,287	\$39,287
Travel	\$30,927	\$0	\$30,927	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$125,136	\$350,000	\$475,136	\$0	\$0	\$0
Subcontracts Total	\$3,637,387	\$480,304	\$3,642,748	\$523,524	\$0	\$523,524
Subcontract #1	\$3,637,387	\$480,304	\$3,642,748	\$523,524	\$0	\$523,524

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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	\$4,926,106	\$1,317,573	\$6,243,679	\$523,524	\$154,098	\$677,622
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$4,926,106	\$1,317,573	\$6,243,679	\$523,524	\$154,098	\$677,622
% Of Total	79	21	100	77	23	100

### Hardware / Software

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

10v. If yes, please list

PowerEdge T110 Server, \$1229.26

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

USPS AISVIEW DVD, \$176.57

ESRI StreetMAP, \$1047.69

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

10aa. If yes, please list

N/A

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

- Address geocoding, particularly in census blocks greater than 2 square miles, has been challenging due to the quality of provider data and timeliness of available street map information. To mitigate this we purchased the latest ESRI street database and have provided direct feedback to providers on problematic addresses. For cable providers, we also made use of NJ BPU data and identified census blocks in municipalities.
- The time required for outreach and technical interaction with service providers proved substantially more extensive than anticipated. Numerous outreach attempts by e-mail and phone were needed at many companies to secure cooperation and obtain data. The data arrived in very diverse formats and structures, due not only to differences in company operations, but also to differing interpretations of the NOFA requirements. This created two challenges – first, significant technical interchange was required to obtain additional information and correctly interpret the data. Secondly, we had to develop customized data processing procedures for each submission. Our mitigation strategy was simply to shift our effort, emphasis, and resources to this activity over the summer months.
- Community Anchor Institution (CAI) identification and outreach was time-consuming and response rates to date are low. Our strategy

going forward is to work through state-level organizations such as the NJEDge and the State Library Association. We will be implementing a web-based data submission capability on our website (<http://connectingnj.state.nj.us/>).

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

We completed a phone survey (English and Spanish) of 3,101 New Jersey residents with an oversample of non-adopters. The survey included a cell frame collection and an incentive for FCC speed test. The survey supports both the mapping work (verification task) and the four planning activities. Initial demographic analysis of adopters verses- non-adopters was also completed. The planning work is on schedule according to our 4 year project plan. Work expected in coming quarters includes: characterization and rigorous analysis of barriers to adoption; use of the analytic results to suggest methods for bridging the digital divide; and econometric analysis of the impact of broadband on the state economy.

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

11i. Planning Worksheet

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

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

Shelley Bates

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

X

12d. Email Address

shelley.bates@oit.state.nj.us

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

02-24-2011