<table>
<tr><td colspan="2">U.S. DEPARTMENT OF COMMERCE

Performance Progress Report</td><td colspan="2">2. Award Or Grant Number
36-50-M09010

4. Report Date (MM/DD/YYYY)
03-31-2011</td></tr>
</table>

1. Recipient Name NY State Office of Cyber Security & Critical Infrastructure	6. Designated Entity On Behalf Of: New York State

3. Street Address 30 South Pearl Street, P-2,	8. Final Report? ◯ Yes ⦿ No	9. Report Frequency ⦿ Quarterly ◯ Semi Annual ◯ Annual ◯ Final
5. City, State, Zip Code Albany, NY 12207		

7. Project / Grant Period Start Date: (MM/DD/YYYY) 10-01-2009	7a. End Date: (MM/DD/YYYY) 09-30-2014	7b. Reporting Period End Date: 03-31-2011	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
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

On April 1, the New York State Broadband Team delivered its third round of provider data to the NTIA.   Round 3 included data from 100% of known facilities-based (wireline) end user providers and all significant wireless service providers in NYS.

For more details, please refer to the Q1 Supplemental Answers Document.

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

Since July of 2010, the NYS broadband mapping team has been receiving independently collected speed data through a joint effort with the Center for Technology in Government (CTG). A web-based application uses "crowd sourcing" to survey and collect information regarding NYS users' access to broadband services. It allows users to run a speed test to identify the actual broadband speeds they experience at the time the test is taken. The speed data, provider name, technology used and the location where the test was taken is being captured. The data is being used to assist with the verification of information received directly from providers. 5468 NYS residents had taken the speed test as of the end of this reporting period.

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

Many verification plans have already been implemented; see 10 e. and 10h. Future verification activities will involve use of additional crowd sourced, commercial, and public data sources for further verification methods; use of aggregated 477 data, and additional outreach to encourage broadband mapping site visitors to provide feedback.

Planned Verification Activity Name: Use of additional crowd sourced, commercial, and public data sources for further verification methods – Due Date: To be scheduled within Round 4 activities.

Planned Verification Activity Name: Use of aggregated 477 data – Due Date: To be scheduled within Round 4 activities.

Planned Verification Activity Name: Additional outreach to encourage broadband mapping site visitors to provide feedback – Due Date: To be scheduled within Round 4 activities.

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

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

The New York State Broadband Team used many automated and non-automated methods to verify the data received from providers:

Activity Initiated Name: Data transfer business rules – Status: Active and successful

Activity Initiated Name: NTIA supplied Python scripts – Status: Active and successful

Activity Initiated Name: ESRI 'Check Geometry' and 'Fix Geometry' tools – Status: Active and successful

Activity Initiated Name: Clipping all data to the NYS boundary file – Status: Active and successful

Activity Initiated Name: Duplicate records check – Status: Active and successful

Activity Initiated Name: Check the vertical alignment and area designation of all census blocks loaded in the geodatabase – Status: Active and successful

Activity Initiated Name: Provider feedback verification – Status: Active and successful

Activity Initiated Name: Use of crowd-sourced data – Status: Active and successful

Activity Initiated Name: NYS Broadband Map feedback – Status: Active and successful

Activity Initiated Name: Verizon NY (wire-line) specific scrubbing – Status: Active and successful

For more details, please refer to the Q1 Supplemental Answers Document.

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

Please see 10.f. for future enhanced verification activities.   The additional activities will begin in the second quarter of 2011 with the initiation of Round 4 work.

Staffing

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

6.25

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

The project plan for the approved extension to the program includes additional staff for address data collection and to a lesser extent, to assist with the implementation of leading practices. NYS has begun work to fill these positions. The NYS hiring process is detailed and time consuming under normal circumstances. Current New York State budget issues have caused delays in the approval process to fill the new positions, but we anticipate approval in the second quarter of 2011. Existing staff will be used to begin some of the new activities outlined in the project plan. Contracting may be necessary to fill gaps if the hiring process is significantly delayed.

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

15

10n. Staffing Table

Job Title	FTE %	Date of Hire
Project Director	100	10/26/2009
GIS Technologist 1	100	12/24/2009
GIS Technologist 1	100	05/25/2010
IT Specialist 1 - Business Analyst	100	02/22/2010
Application Developer - Subcontract	19	08/18/2010
IT Specialist 1 - Infrastructure	24	03/04/2010
IT Specialist 1 - Applications Programming	12	03/04/2010

| Student Intern | | 70 | 10/07/2010 |
| Project Manager | | 100 | 04/05/2010 |

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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
MVP Consulting Plus, Inc (Subcontract 1)	GIS Analyst - To provide short-term assistance with GIS data processing and data validation in preparation for the 3/31/2010 initial data delivery and related follow-up activities.	Y	Y	02/17/2010	8/17/2010	0	0
Troy Web Consulting, LLC (Subcontract 2)	Application Programmer to develop a project tracking application and other web-based project resources.	Y	Y	1/14/2010	1/13/2011	0	0
Computer Technology Services of Albany, Inc (Subcontract 3)	Project Manager responsible for refinement and maintenance of the project plan; development of federal and state status reports; management of subcontracts and tracking of procurements; security reviews, etc.	Y	Y	3/25/2010	9/25/2011	0	0
Center for Technology in Government - State University of New York at Albany (Subcontract 4) - See comment in 10cc for reason why there was no RFP.	Speed Test Web Site - Public outreach and sampling services. Deliverables will include provider, technology and speed data independently sampled.	N	N	7/1/2010	6/1/2014	0	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,223,806   10q. How much Remains? $7,699,726

10r. How much matching funds have been expended as of the end of last quarter? $591,626   10s. How much Remains? $1,638,771

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	$3,833,658	$950,052	$4,783,711	$437,347	$172,313	$609,660
Personnel Fringe Benefits	$1,894,770	$381,859	$2,276,628	$236,036	$91,019	$327,055
Travel	$140,818	$7,206	$148,024	$2,386	$0	$2,386
Equipment	$551,242	$184,211	$735,453	$221,752	$328,294	$550,046
Materials / Supplies	$45,015	$1,200	$46,215	$81	$0	$81
Subcontracts Total	$2,058,029	$705,869	$2,763,898	$326,204	$0	$326,204
Subcontract #1	$49,887	$0	$49,887	$27,048	$0	$27,048

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontract #2	$49,500	$0	$49,500	$39,985	$0	$39,985
Subcontract #3	$248,625	$0	$248,625	$155,465	$0	$155,465
Subcontract #4	$183,873	$0	$183,873	$103,706	$0	$103,706
Subcontract #5	$1,526,144	$0	$1,526,144	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$400,000	$0	$400,000	$0	$0	$0
Total Direct Costs	$8,923,532	$2,230,397	$11,153,929	$1,223,806	$591,626	$1,815,432
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$8,923,532	$2,230,397	$11,153,929	$1,223,806	$591,626	$1,815,432
% Of Total	80	20	100	67	33	100

Hardware / Software

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

10v. If yes, please list

The following were purchased in previous quarters (Added Secure FX and ESRI ArcGIS Data Interoperability Concurrent Use - License Extension since last report):

• Hardware or Software Name: 10 desktop computers - Associated Cost: $26,964
• Hardware or Software Name: Local storage disks - Associated Cost: $2,032
• Hardware or Software Name: 1 tape drive & data tapes - Associated Cost: $7,792
• Hardware or Software Name: Melissa Data data quality software tools - Associated Cost: $14,800
• Hardware or Software Name: Pervasive extract/transform/load software - Associated Cost: $43,023
• Hardware or Software Name: Oracle database software - 1 enterprise version - Associated Cost: $53,031
• Hardware or Software Name: Oracle database software - 1 basic version - Associated Cost: $1,940
• Hardware or Software Name: 1 web application server - Associated Cost: $9,558
• Hardware or Software Name: 1 database server - Associated Cost: $9,558
• Hardware or Software Name: Network switches - Associated Cost: $20,866
• Hardware or Software Name: 1 network firewall - Associated Cost: $13,936
• Hardware or Software Name: TOAD database development and administration software - Associated Cost: $829
• Hardware or Software Name: SecureFX - Associated Cost: $231.
• Hardware or Software Name: ESRI ArcGIS Data Interoperability Concurrent Use - License Extension - Associated Cost: $2,040.
• Hardware or Software Name: ColdFusion application development software - for application development - purchased with New York State Funds.
• Hardware or Software Name: Dreamweaver web design and development software - for application development- purchased with New York State Funds.

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

The software and hardware described in our grant application (and above) has been purchased. However, the NYS Broadband Mapping Project team anticipates and has budgeted for additional expenditures during the life of the program to upgrade, maintain and replace computing equipment; for software maintenance; and for software and data license renewals.

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

10y. If yes, please list
The following data sets were purchased in previous quarters:

Data Set Name: Melissa Data Product Suite – Associated Cost: $14,800.
Data Set Name: NAVTEQ Streets and Address Update and Data License – Associated Cost: $353,666.
Data Set Name: Tele Atlas License – Associated Cost: $4,950.

For more details, please refer to the Q1 Supplemental Answers Document.

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

10aa. If yes, please list

On September 28, 2010, the New York State Office of Cyber Security was awarded supplemental funding by the NTIA to support years 3 through 5 of the project. This expands the scope of the project and therefore additional milestones have been planned. A detailed project plan was submitted to the NTIA in February 2011 which describes all major milestones.

For more details, please refer to the Q1 Supplemental Answers Document:

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

Challenge/Obstacle Description: Collection of Community Anchor Institution (CAI) information has proven to be more difficult than anticipated.

Challenge/Obstacle Description: In June 2010, the New York State Office of Cyber Security proposed a Technical Assistance project to improve State citizens' computer and Internet skills as a means of increasing broadband adoption. The project was proposed in partnership with the New York State Library Association (NYLA), however, New York State procurement law requires that funds transferred for goods or services must be competitively bid.

For more details, please refer to the Q1 Supplemental Answers Document.

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

In the Subcontracts Table, above, (10.0.), the columns for "RFP Issued", and "Subcontract Executed" for the CTG were entered as "N", because CTG is a New York State governmental entity, and therefore, no RFP and no contract are needed. CTG and the Office of Cyber Security are cooperating under the terms of a Memorandum of Understanding.

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

Major Goal/Objective/Milestone: Mapping/GIS Activities Required under New York State Executive Order #22: - Due Date: Annually upon request from the State Broadband Development and Deployment Program Office - Status: No new activities this quarter.

Major Goal/Objective/Milestone: Broadband Stimulus Program Office Operations Support - Due Date: Annually upon request from the State Broadband Development and Deployment Program Office - Status: No new activities this quarter.

Major Goal/Objective/Milestone: Analysis of Business Needs via an Industrial-Level Internet Connectivity - Due Date: There is no due date at this time – Status: This activity has not yet started.

Major Goal/Objective/Milestone: Broadband Adoption Rate Study - Due Date: The second quarter of 2011. The Office of Cyber Security completed negotiating a Memorandum of Understanding with CTG. Status: A report has been produced and is being commented upon by the Office of Cyber Security.

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

Challenge/Obstacle Description: No planning challenge encountered – Associated Mitigation Strategy: N/A

As noted in 11a above, one of our main goals and objectives for planning is to support the NYS Broadband Program Office, which provides the staffing functions to support the work of the NYS Broadband Development and Deployment Council. Our agency director, Tom Smith, is a member of the Council.

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 plans to incorporate the activities of the Industrial-Level Internet Connectivity Summit and the Broadband Stimulus Program Office Operations Support within the Capacity Building Project. The Capacity Building Project will be undertaken through the Broadband Supplemental Grant. This change was proposed within New York State's Planning, Timeline and Cost Estimate document, which was submitted to the NTIA in February 2011.

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?
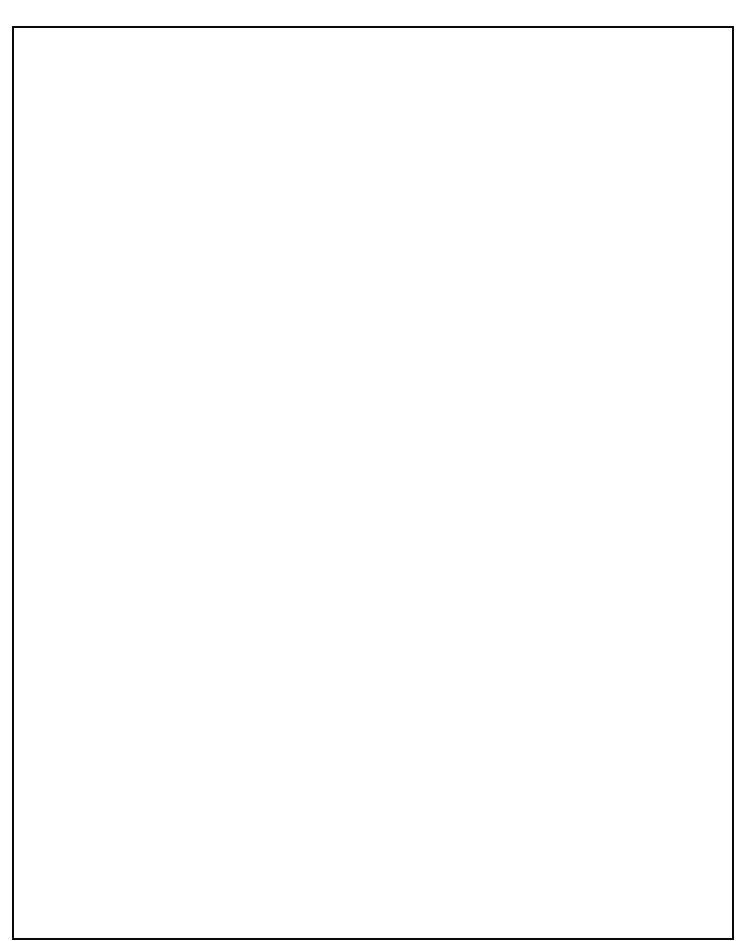
Yes.

Project Name: Industrial-Level Internet Connectivity Summit – Description of activities and/or milestones: As noted in 11.d., the activities of the Industrial-Level Internet Connectivity Summit and the Broadband Stimulus Program Office Operations Support will be incorporated within the Capacity Building Project. The project plan will reflect those activities; therefore project milestones will be affected. The original concept for conducting The Industrial-Level Internet Connectivity Summit was to manage it through the New York State Broadband Development and Deployment Council. This cross-agency coordination has proven difficult. The Broadband Supplemental Grant provides an additional Project Manager and an Outreach Coordinator within the New York State Broadband Capacity Building Project. The New York State Broadband Capacity Building Project will directly support the Broadband Development and Deployment Council. Given that the Council has been afforded the additional resources, the NYS Broadband Plan, Timeline and Cost Estimate that was submitted to the NTIA in February proposes that the Industrial-Level Internet Connectivity Summit be aligned under the New York State Broadband Capacity Building Project.

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

Please refer to 10.bb.

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

No additional information is necessary in the Broadband Planning category.

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 Carl Schell	12c. Telephone (area code, number, and extension)	
	12d. Email Address carl.schell@cscic.state.ny.us	
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 07-06-2011	