U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	18-50-M09003
	4. Report Date (MM/DD/YYYY)
	07-11-2012

1. Recipient Name	6. Designated Entity On Behalf Of:
Indiana Office of Technology	Indiana

3. Street Address	8. Final Report?	9. Report Frequency
100 North Senate Avenue , Indiana Government Center N551,	◯ Yes ◉ No	◉ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Indianapolis, IN 46204		

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: 06-30-2012	9a. If Other, please describe: NA

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

ENA (Education Networks of America): ENA is not going to participate, for the following: they are stating that they do not run "retail" we can't provide you with any additional information. We communicated that they did fit into the defined parameter of broadband, but they still chose not to participate.

Midwest Telecom of America: Owner stated that he does not want to participate and that he would only do so if he was compelled by law.

One Communications Corporation (Now EarthLink Business): Earthlink has made the decision to not participate in the NTIA program. Specifically stated that their organization was not happy with the NTIA website and how their data and organization was being represented.

Airbaud: They are unwilling to participate at this time. They believe that their industry is too competitive, and do not want to give their competitors "maps" of their territory

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

Community Anchor Institutions

We identified community anchor institutions by cross referencing a statewide land parcel dataset with a data set from the Indiana Local Government Finance office containing, among other information, institution name, location by address, and use category. The results of this analysis have been included in previous deliveries for records containing name, location, and category at a minimum. These data, however, did not have sufficient broadband service information.

Therefore, we have engaged a third party to survey the institutions to complete the attributes defined in the NOFA for these institutions. We anticipate that this additional data will be included in the fall 2012 submission.   The Indiana Office of Technology has engaged Infogroup to identify and contact all these anchor institutions in the State of Indiana for additional broadband information.

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

We continue to collect and compare data from these sources, including:

• The Indiana Utility Regulatory Commission (comparison broadband data)
• Office of Utility Consumer Counselor (comparison broadband data)
• The Indiana Business Research Center (demographic data)
• Indiana Department of Local Government Finance (residential versus commercial status by address)
• Indiana Counties (point addresses, land parcels, road center-lines with address ranges, and administrative boundaries, aggregated

and integrated into the IndianaMap)
• Indiana Department of Natural Resources (state forests and parks)
• Indiana Department of Homeland Security (locations of emergency medical service (EMS) stations, fire stations, and hospitals)
• Department of Education (school locations)
• Indiana Libraries (point of connectivity for low income/unemployed consumers—provide vital speed information for respective geographical locations)
• Commission for Higher Education (locations of colleges and universities)
• Reference USA /Infogroup (community anchors)
• Broadband service providers, and others

This information is processed according to the current data submission model offered by the National States Geographic Information Council and to be able to perform spatial comparisons, logic rules and other checks.

We also add emphasis to the collection of speed information using the "crowd sourcing" web-based application already implemented.

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

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

i. We have begun verification comparing source documents that duplicate geographies and/or content. We recognize that within the above list of data sources, some information is duplicated. In these cases, discrepancies will be noted for follow-up using other verification methods.

ii. We have developed a "crowd-sourcing" tool and have begun using this tool to collect data for verification.
    www.in.gov/survey
    http://www.in.gov/gis/BroadbandQuestionnaire.htm
    http://in-polis-app21.ads.iu.edu/BroadbandService/default.aspx

iii. We have acquired a 3rd party data set for verification and are in the process of using it to compare to our mapped data.

iv. We have begun using service providers' websites, especially those that contain service area information.

v. The state of Indiana is well into a three-year project to provide 1-foot resolution orthophotography and elevation data for the entire state of Indiana.

vi. Development of a new website: www.indianabroadbandmap.com which features both wireless and wireline data. Through a series of training seminars for providers and feedback from consumers, we are further refining the data.

vii. Mobile Carrier Scrape – Mobile carriers' website maps of advertised coverage were saved and converted to GIS layers through photo interpretation and geo-rectification. Output maps were created with this data with the carriers' submission data to be used to identify areas of conflicting data. We compare submitted data to the data aggregated through the scrub process and are further refining the data.

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?

5.35

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

No impact to the project's time line is anticipated.

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

6.75

10n. Staffing Table

Job Title	FTE %	Date of Hire

GIS Technician		94	02/23/2010
GIS Analyst		56	02/23/2010
GIS Analyst		100	02/23/2010
GIS Analyst Senior		85	02/23/2010
GIS Analyst Senior		100	02/23/2010
GIS Analyst Senior		100	02/23/2010

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
39 Degrees North	Perform Geoprocessing of service provider data	N	Y	02/23/2010	09/30/2014	441,195	0
Indiana Geological Survey	Facilitate visualization and distribution of mapping data	N	Y	04/01/2010	09/30/2014	413,664	0
After Image	Process data from wireless service providers	N	Y	05/01/2010	09/30/2014	178,650	0
Dot Staff/Guidesoft	Provide contract position- broadband mapping coordinator	N	Y	06/14/2010	09/30/2014	413,020	0
Woolpert	Ortho/LiDAR	Y	Y	02/18/2011	09/30/2014	304,000	0
InfoUSA	Third party data to support verification	N	Y	04/20/2010	09/30/2014	71,953	0
Indiana Counties - Data Exchange	These funds will be used by Indiana counties to cover the costs of data hosting and transferring data to the state and point address data improvement. This amounts to $6,000 ($2,000 per year for 3 years) for each of the 92 Indiana counties.	N	Y	06/01/2012	09/30/2014	552,000	0
Unobligated Funds		N	N			574,979	0

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,388,308   10q. How much Remains? $1,906,458

10r. How much matching funds have been expended as of the end of last quarter? $470,681   10s. How much Remains? $353,011

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	$345,305	$0	$345,305	$154,028	$0	$154,028
Personnel Fringe Benefits	$0	$0	$0	$0	$0	$0

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	$0	$0	$0	$0	$0	$0
Equipment	$0	$0	$0	$0	$0	$0
Materials / Supplies	$0	$0	$0	$0	$0	$0
Subcontracts Total	$2,949,461	$0	$2,949,461	$1,234,280	$0	$1,234,280
Subcontract #1	$441,195	$0	$441,195	$334,944	$0	$334,944
Subcontract #2	$413,664	$0	$413,664	$304,501	$0	$304,501
Subcontract #3	$178,650	$0	$178,650	$156,690	$0	$156,690
Subcontract #4	$413,020	$0	$413,020	$191,472	$0	$191,472
Subcontract #5	$1,502,932	$0	$1,502,932	$246,673	$0	$246,673
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$823,692	$823,692	$0	$470,681	$470,681
Total Direct Costs	$3,294,766	$823,692	$4,118,458	$1,388,308	$470,681	$1,858,989
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$3,294,766	$823,692	$4,118,458	$1,388,308	$470,681	$1,858,989
% Of Total	80	20	100	75	25	100

Hardware / Software

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

10v. If yes, please list

N/A

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
We purchased a scrubbed list of Community Anchor Institutes in January 2012.

The Indiana Office of Technology has engaged Infogroup to identify and contact all anchor institutions in the State of Indiana. The goal was to determine broadband service and internet service providers that meet the definitions of "broadband" as outlined in the broadband mapping Notice of Funds Availability.

Infogroup had the ability to identify state anchor institutions and developed a script designed to gather the information required to answer to the requirements of the NTIA.

The Indiana Office of Technology is currently reviewing this data and will include the results in our fall 2012 submission.

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

10aa. If yes, please list
1) We have contracted for Broadband Data Visualization with the Indiana Business Research Center (IBRC) which is adept at clearly presenting complex economic information. IBRC has integrated the results of this project with economic data about Indiana to prepare

meaningful and understandable public maps and other visualizations. www.stats.indiana.edu/broadband/

2) We have contracted for Data Storage/Management/Distribution with University Information Technology Services group at Indiana University (UITS). These funds will make broadband data and aerial photographs available for analysis.

3) We have contracted to update our statewide orthophotography and LiDAR. Orthophotography is an essential element in the creation of accurate address level data, and LiDAR will provide a surface elevation suitable for input into a wireless service area model.

4) We have extended our contract with 39 Degrees North to perform geoprocessing of service provider data. This contract will also include the creation, implementation, and hosting of an online application to allow service providers to review and interact with their broadband data. www.indianabroadbandmap.com

5) We have extended our contract with AfterImage GIS to map wireless Indiana service provider data.

6) We have contracted with Indiana Geographic Information Council (IGIC) for Address Clean-up. This task accounts for the time involved in improving raw address data that is received from counties. These efforts will result in a data set that can be used to verify a service address submitted by a provider.

7) We have contracted with AfterImage GIS for Small Provider Submission Support for 30 to 50 small service providers in Indiana. They will assist those smaller providers with their submissions.

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing
WIRELESS
AirHOP Wireless
Broadband Indiana
Indiana Data Center/Metrolan
Joink, LLC/XSNet
LightningNet
Locl.Net
Michiana Wireless
OINC Wireless
SpeedNet/Keyon
Total Logic Systems (TLS.net)
True 802 Wireless
YDial LLC

WIRELINE
Accelplus
Lightbound
Mediacom Communications Corp.
New Lisbon Telephone Co, Inc.

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

Subcontract #5 includes multiple additional subcontractors as well as unobligated funds. Please see attached Excel worksheet for details.

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

N/A

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
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
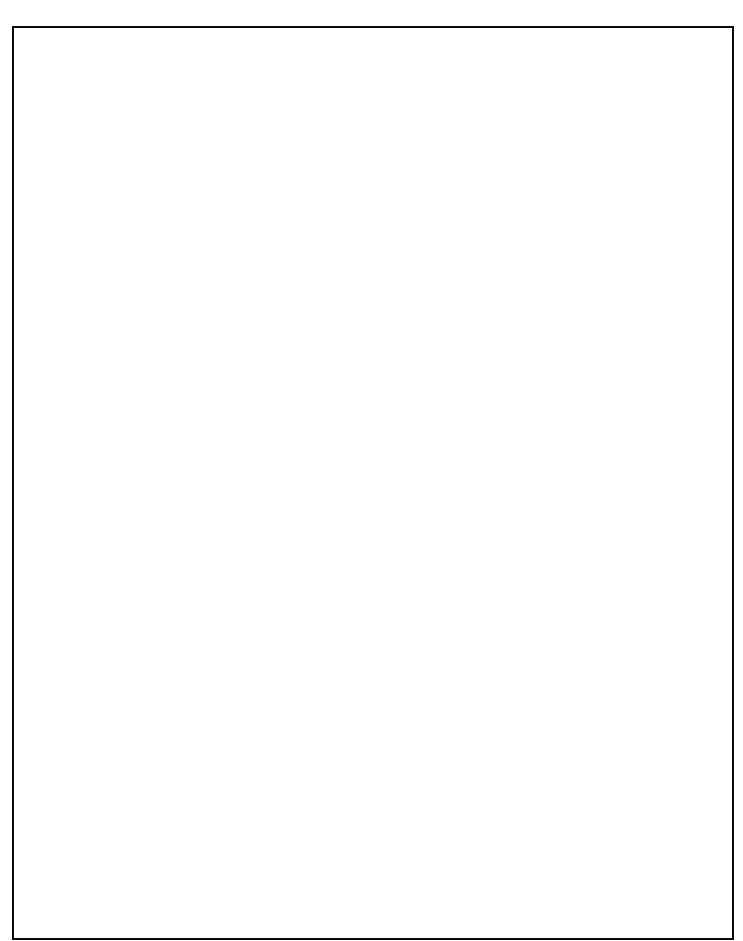
N/A

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 Terry Bradshaw	12c. Telephone (area code, number, and extension)
	12d. Email Address tbradshaw@iot.in.gov
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 07-25-2012