U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	18-50-M09003
Performance Progress Report	4. Report Date (MM/DD/YYYY)
	10-11-2011

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	◉ Quarterly
		○ Semi Annual
5. City, State, Zip Code	◉ No	○ Annual
Indianapolis, IN 46204		○ Final

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	7b. Reporting Period End Date:	9a. If Other, please describe:
10-01-2009	09-30-2014	09-30-2011	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

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.

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.

Hancock Rural Telephone Corporation/Nine Star Connect: At this time, owner is unsure if he wants to participate because of concerns of his competition accessing his territory/maps.

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

NA

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

i. "Boots on the Ground" inspection. We will have a vendor visually inspect the existence of physical features, where feasible, of a sample size sufficient to verify that service could exist in a specific location. (We are putting out an RFP Fall Quarter of 2011 for this service).

ii. Inspection of high-resolution orthophotography. High-resolution orthophotography will be used to verify the existence and location of wireless towers. Where six-inch resolution orthophotography exists (cities and counties), it can also be used to verify the existence of residence connection boxes.

iii. Comparing source documents that duplicate geographies 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.

iv. Collecting end-user data. We are working with The Polis Center at Indiana University Purdue University to create a Google Map based, user-friendly web application to collect information from end-users about their location, broadband service provider and speed (as captured from a speed test). The information collected from this website is used for data verification. T

v. Using service providers' websites (referencing service area information).

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.
     http://www.in.gov/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. We have used the resulting "scrape" as a validation source.

v. We have begun "flying" a third of the state for updated orthophotography and LiDAR. We will fly the next two-thirds of the state over the next two years.

vi. We are generating an RFP for Fixed Wireless Verification Services. (This will be released 4th Quarter 2011)

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

NA

Staffing

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

1.54

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	6	02/23/2010
GIS Analyst	8	02/23/2010
GIS Analyst Sr.	100	02/23/2010
GIS Analyst Sr.	40	02/23/2010

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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
39 Degrees North	Perform Geoprocessing of service provider data	N	Y	02/23/2010	03/31/2012	291,195	0
Indiana Geological Survey	Facilitate Visualization and distribution of mapping data	N	Y	04/01/2010	09/30/2014	408,664	0

After Image	Process data from wireless service providers	N	Y	05/01/2010	04/01/2012	178,650	0
Dot Staff/Guidesoft	Provide contract position-broadband mapping coordinator	N	Y	06/14/2010	06/30/2012	293,800	0
Wolpert	Ortho/LiDar	Y	Y	02/18/2011	09/30/2014	152,000	0
InfoUSA	Third Party data to support verification	N	Y	04/20/2010	06/27/2010	37,853	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $770,820   10q. How much Remains? $2,523,946

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

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	$115,087	$0	$115,087
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	$2,949,461	$0	$2,949,461	$655,733	$0	$655,733
Subcontract #1	$291,195	$0	$291,195	$192,300	$0	$192,300
Subcontract #2	$408,664	$0	$408,664	$136,548	$0	$136,548
Subcontract #3	$178,650	$0	$178,650	$88,650	$0	$88,650
Subcontract #4	$293,800	$0	$293,800	$101,582	$0	$101,582
Subcontract #5	$1,777,152	$0	$1,777,152	$136,653	$0	$136,653
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$823,692	$823,692	$0	$353,011	$353,011
Total Direct Costs	$3,294,766	$823,692	$4,118,458	$770,820	$353,011	$1,123,831
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$3,294,766	$823,692	$4,118,458	$770,820	$353,011	$1,123,831
% Of Total	80	20	100	69	31	0

Hardware / Software

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

10v. If yes, please list

NA

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

NA

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

10y. If yes, please list

Not in the last quarter, but we do plan on purchasing an additional data set in the next.

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 will integrate the results of this project with economic data about Indiana to prepare meaningful and understandable public maps and other visualizations.

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.

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 generated a request for proposal for Small Provider Submission Support for 30 to 50 small service providers in Indiana. We are in the negotiations stage of the process.

8) We have generated a request for proposal for Community Anchor Institution (CAI) data research and verification. We are seeking to engage an organization to survey each CAI. This work will be completed in by the next submission.

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

ORGANIZATIONS THAT WE WERE UNABLE TO REACH/MAKE CONTACT WITH (IN THE LAST QUARTER):

WIRELESS

ABC Hi-DEF Communications
AirHOP Wireless
CSInet Internet Access
LightningNet
Metro FastNet
Michiana Wireless
NITCO Holding Corporation/FBN Indiana, Inc.
OINC Wireless
Parallax Systems (RMC)
Reach Broadband
SpeedNet/Keyon
Total Logic Systems (TLS.net)
True 802 Wireless
WIN Enterprises/QX.net
YDial LLC

WIRELINE

Accelplus
Insight Communications
Iquest Internet/Lightbound
Mediacom Communications Corp.

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

We have added Subcontract #5 and 6 together along with the remainder funds granted. The breakdown of the $1,777,152 is as follows:

Woolpert Contract amount is $152,000 with $98,800 being expended to date
InfoUSA contract amount is $37,853 with $37,853 being expended to date

Remainder not yet contracted or expended is $1,587,299

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

NA

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

NA

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

NA

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

11i. Planning Worksheet						
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?

NA

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

NA

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

NA

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) 11-14-2011	