

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

18-50-M09003

4. Report Date (MM/DD/YYYY)

01-04-2012

1. Recipient Name

Indiana Office of Technology

6. Designated Entity On Behalf Of:

Indiana

3. Street Address

100 North Senate Avenue , Indiana Government Center N551,

8. Final Report?

Yes

No

9. Report Frequency

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:

12-31-2011

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

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

We are finalizing a contract with Reference USA to contact over 8,000 Community Anchor organizations in the state of Indiana to obtain their Broadband data and information. We plan to include this information in our April submission.

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.

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. During this past quarter we have identified two new providers from this tool. www.in.gov/survey

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

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.

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/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. 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. 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.

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?

6.64

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	66	02/23/2010
GIS Analyst	100	02/23/2010
GIS Analyst	100	02/23/2010
GIS Analyst	52	02/23/2010
GIS Analyst Sr.	100	02/23/2010
GIS Analyst Sr.	100	02/23/2010
GIS Analyst Sr.	100	02/23/2010
GIS Analyst Sr.	46	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	03/31/2012	291,195	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	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
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	06/27/2010	71,953	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$995,924 10q. How much Remains? \$2,298,842

10r. How much matching funds have been expended as of the end of last quarter? \$392,234 10s. How much Remains? \$431,458

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	\$130,522	\$0	\$130,522
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	\$865,402	\$0	\$865,402
Subcontract #1	\$291,195	\$0	\$291,195	\$249,399	\$0	\$249,399
Subcontract #2	\$413,664	\$0	\$413,664	\$205,014	\$0	\$205,014
Subcontract #3	\$178,650	\$0	\$178,650	\$88,650	\$0	\$88,650
Subcontract #4	\$293,800	\$0	\$293,800	\$136,466	\$0	\$136,466
Subcontract #5	\$1,772,152	\$0	\$1,772,152	\$185,873	\$0	\$185,873
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$823,692	\$823,692	\$0	\$392,234	\$392,234
Total Direct Costs	\$3,294,766	\$823,692	\$4,118,458	\$995,924	\$392,234	\$1,388,158
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$3,294,766	\$823,692	\$4,118,458	\$995,924	\$392,234	\$1,388,158
% Of Total	80	20	100	72	28	100

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

No, but we plan on purchasing a scrubbed list of Community Anchor Institutes in January 2012.

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. 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.

8) We have generated a request for proposal for Community Anchor Institution (CAI) data research and verification. We have just awarded this scope of work to Reference/Info Group USA. This work will begin in January 2012.

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 Subcontractor #5 and 6 together along with the remainder of the funds granted. The breakdown of the \$1,772,152 is as follows:

Wolpert contract amount is \$304,000
 Info USA contract amount is \$71,953
 Remainder not yet contracted or expended is \$1,401,199

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

11i. Planning Worksheet

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?

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)

01-27-2012