

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
18-50-M09003

4. Report Date (MM/DD/YYYY)
07-12-2011

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:
06-30-2011

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, Inc.: Owner stated that he does not want to participate and that he only would participate if he was compelled by law.

Hancock Rural Telephone Corporation/Nine Star Connect: At this time owner is unsure if he wants to participate because he does not want his competition to have 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 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 recent 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 listed here.

iv. Collecting end-user data. We are working with The Polis Center at Indiana University Purdue University Indianapolis to create a Google Map-based, user-friendly web application hosted on the IndianaMap portal 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 will be valuable for data verification. The Polis Center works with communities in Indiana and beyond to develop and apply knowledge, to build collaborations, and to find innovative solutions to common problems. The center excels in community-based research and advanced information technologies, especially geographic information systems (GIS).

v. Using service providers' websites, especially those that contain service area information. Many service providers have websites

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 listed here.
 - 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.
 - 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.
- 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?

5.99

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 | 62 | 02/23/2010 |
| GIS Analyst | 100 | 02/23/2010 |
| GIS Analyst | 100 | 02/23/2010 |
| GIS Analyst | 99 | 02/23/2010 |
| GIS Analyst Sr. | 100 | 02/23/2010 |
| GIS Analyst Sr. | 100 | 02/23/2010 |
| GIS Analyst Sr. | 38 | 02/23/2010 |

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 | 245,400 | 0 |

| | | | | | | | |
|---------------------------|---|---|---|------------|------------|---------|---|
| Indiana Geological Survey | Facilitate visualization and distribution of mapping data | N | Y | 04/01/2010 | 09/30/2011 | 180,000 | 0 |
| After Image GIS | Process data from wireless service providers | N | Y | 05/01/2010 | 10/31/2011 | 85,000 | 0 |
| Dot Staff | Provide contract position-broadband mapping coordinator | N | Y | 06/14/2010 | 06/14/2011 | 101,400 | 0 |
| Woolpert | 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 |

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$701,247 10q. How much Remains? \$2,593,519

10r. How much matching funds have been expended as of the end of last quarter? \$313,787 10s. How much Remains? \$509,905

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 | \$99,233 | \$0 | \$99,233 |
| 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 | \$602,014 | \$0 | \$602,014 |
| Subcontract #1 | \$245,400 | \$0 | \$245,400 | \$192,300 | \$0 | \$192,300 |
| Subcontract #2 | \$180,000 | \$0 | \$180,000 | \$136,548 | \$0 | \$136,548 |
| Subcontract #3 | \$85,000 | \$0 | \$85,000 | \$77,525 | \$0 | \$77,525 |
| Subcontract #4 | \$101,400 | \$0 | \$101,400 | \$80,268 | \$0 | \$80,268 |
| Subcontract #5 | \$2,337,661 | \$0 | \$2,337,661 | \$115,373 | \$0 | \$115,373 |
| Construction | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Other | \$0 | \$823,692 | \$823,692 | \$0 | \$313,787 | \$313,787 |
| Total Direct Costs | \$3,294,766 | \$823,692 | \$4,118,458 | \$701,247 | \$0 | \$701,247 |
| Total Indirect Costs | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Costs | \$3,294,766 | \$823,692 | \$4,118,458 | \$701,247 | \$313,787 | \$1,015,034 |
| % Of Total | 80 | 20 | 100 | 0 | 0 | 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

Data from InfoUSA that included IP Address, domain name, broadband technology type. Cost = \$37,853 (See Subcontract #6)

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 generated a request for proposal 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. 6) We have generated a request for proposal for Small Provider Submission Support for 30 to 50 small service providers in Indiana. 7) 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.

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

We are developing additional QAQC procedures to our data deliveries. We are expanding our scope of work with one of our vendors to achieve this.

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 #6 to #5 together along with the remainder funds granted. The breakdown of the \$2,337,661 is as such:
Wolpert contract amount is \$152,000 with \$77,520 being expended to date
InfoUSA contract amount is \$37,853 with \$37,853 being expended to date
Remainder not yet contracted or expended is \$2,147,808

ORGANIZATIONS THAT WE WERE UNABLE TO REACH/MAKE CONTACT:

CSInet Internet Access
NITCO Holding Corporation/FBN Indiana, Inc.
SpeedNet/Keyon
State of the Art Communications
Surf-ICI
True 802 Wireless
WIN Enterprises/QX.net
YDial LLC
Craigville Telephone Company, Inc./AdamsWells Telecom
Global Crossing North America, Inc.
Iquest Internet/Lightbound
Mediacom Communications Corp.
Swayzee Telephone Company
TV Cable of Rensselaer & Winamac
Yeoman Telephone Co.

NDA CHALLENGES (REVIEW BY STATE COUNSEL):

Sequel Communications, LLC/Suddenlink

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 |
| 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)

08-10-2011