

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

18-50-M09003

4. Report Date (MM/DD/YYYY)

10-04-2010

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)

10-01-2011

8. Reporting Period End Date:

(MM/DD/YYYY)

09-30-2010

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
110	110	18	9	19	28

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

AAA Wireless

Challenge: Organization stated that they did not want to provide information since they were not mandated to do so.

Solution: Company has since been purchased by Omnicity and new owners have agreed to participate.

Advanced Computer and Communication:

Challenge: Phone calls are not answered and there is no way to reach them electronically.

Solution: We will send a registered/certified letter to determine if this organization is still in existence.

Bloomington Home Telephone:

Challenge: Organization stated they were not pleased with state government so they will not participate.

Solution: Try to contact again next quarter.

Internet Communications

Challenge: Organization is very hesitate to "give up" their data because they did not believe we were calling from state government.

Solution: We are working through the trade association "WISPA" for resolution.

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 have completed a statewide telephone exchange map derived from about 600 individual telephone exchange maps from Indiana Utility Regulatory Commission. This is an important data set and represents a significant amount of the effort of the project.

- We have processed public domain data to create the following statewide geographic data layers:

- Service provider name by census block

- Type of broadband technology by census block

- Locations of K-12 and Higher Education facilities, and other community anchor institutions.

- Reference layers from the IndianaMap, including aerial photography, roads, rivers, etc.

- Wire line coverage, statewide.

- Wireless coverage, statewide.

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 that give service area information (often address by address) to assist consumers. We will use these websites in conjunction with "boots on the ground" and the other methods listed here to verify 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 listed here.
 - ii. We have developed a prototype "crowd-sourcing" tool and have begun using this tool to collect data for verification.
 - 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.
- 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?

2.58

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 on the project's timeline 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	2	02/23/2010
GIS Analyst	57	02/23/2010
GIS Sr. Analyst	41	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 data sets	N	Y	02/23/2010	09/23/2010	\$150,000	\$30,000
Indiana Geological Survey	Facilitate visualization and distribution of data	N	Y	04/01/2010	09/30/2011	\$155,000	\$31,000
AfterImage GIS	Process data from wireless providers	N	Y	05/01/2010	10/31/2011	\$85,000	\$17,000
DotStaff	Provide contract position - broadband mapping coordinator	N	Y	06/14/2010	12/13/2010	\$45,000	\$9,000

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$271,928 10q. How much Remains? \$3,022,837

10r. How much matching funds have been expended as of the end of last quarter? \$164,738 10s. How much Remains? \$658,953

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	\$345,304	\$20,230	\$365,534	\$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	\$2,949,462	\$296,337	\$3,245,799	\$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	\$507,125	\$507,125	\$0	\$0	\$0
Total Direct Costs	\$3,294,766	\$823,692	\$4,118,458	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$3,294,766	\$823,692	\$4,118,458	\$0	\$0	\$0
% 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 includes IP address, domain name, technology type (limited)

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

10aa. If yes, please list

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

The process of engaging service providers and procuring data from them has proven to be complex and slow. We have engaged a full time temporary contractor to manage outreach and data procurement.

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

NA

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

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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

Jim Sparks

12c. Telephone
(area code, number, and extension)

12d. Email Address

jsparks@iot.in.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted
(Month, Day, Year)

10-28-2010

Performance Progress Report
OMB Approval Number: 0660-0034
Expiration Date: 08/31/2010