

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

11-50-M09011

4. Report Date (MM/DD/YYYY)

01-12-2011

1. Recipient Name

District of Columbia OCTO

6. Designated Entity On Behalf Of:

District of Columbia

3. Street Address

441 4th Street NW,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Washington, DC 20001

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:

12-31-2010

9a. If Other, please describe:

N/A

**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

Transbeam, Inc. informed us that they will not provide us with any of the requested data. We have communicated by email and telephone with executives of the company. The stated that they did not have time to compile the data and since the program was voluntary they have chosen not to participate.

Global Crossing Telecommunications, Inc., Inmarsat, Inc. and Qwest Communications Company claimed that they were exempt from submitting any data because they did not provide broadband services to new customers within the ten-business-days interval.

We suspect that there may be other broadband service providers in the District that chose not to respond to our email and telephone requests for data in Spring 2010 and Fall 2010 by virtue that they filed Form 477s for service in the District with the FCC. These companies include: Airespring, Inc.; Broadcore, Inc.; Broadwing Communications LLC; Metropolitan Telecommunications of DC; New Edge Network, Inc.; Shenandoah Telecommunications Company; Smart Choice Communications, LLC; Spacenet; Telefonica USA, Inc.; and Wave2Wave Communications, Inc.

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

Providers are the primary source of all broadband availability data. Secondary sources are used for verification only.

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

Wireless Validation - The District completed drive testing of major wireless providers. Drive tests were completed in a single vehicle employing multiple laptops and GPS.

**Wireline Validation**

The District, through PSC, has made extensive use of FCC Form 477 data. The Form 477 was used to: verify that we have contacted the correct providers; compare the technology of transmission and speed of transmission between what was reported to the FCC and what was submitted by the provider; and compare the geography reported to the FCC in census tracts with the areas submitted to the District in census blocks. Finally, the District purchased a database of broadband subscribers from a commercial mailing list company InfoUSA. The dataset is used to crosscheck data coming from providers. Where discrepancies have been found, the providers were asked for more information. This method only works for companies with a large number of subscribers.

10g. Have you initiated verification activities?  Yes  No

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

District of Columbia Government believes believes its wireless drive testing is very effective. We have confirmed the presence of all major providers. We do find that in some locations some provider's service speed did not meet the definition at the moment of the drive test. We have not "invalidated" such providers. We don't feel that we occupy any one location long enough to invalidate a given provider that is meeting the definition of broadband service nearby. DC has found errors with its wireline validation process. The

process works best for larger firms that have numerous subscribers and our checks against form 477 need to be applied more carefully.

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?

2.51 jobs to date.

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

We will be adding contractors to assist with Web development. This has not effected data collection and processing, but has effected the deployment of DC's broadband Web site.

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

5 (all contractors)

10n. Staffing Table

| Job Title  | FTE % | Date of Hire |
|--|-------|--------------|
| Senior Database Administrator (percentages are for the 4th quarter 2010) | 5     | 6/01/2010    |
| GIS Analyst  | 75    | 6/15/2010    |
| GIS Analyst  | 75    | 4/01/2010    |

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 |
|------------------------------|--|------------------|-------------------------|------------|------------|---------------|---------------|
| OST Inc.                     | Contractor Staffing (existing DC contract) | N                | Y                       | 03/22/2010 | 09/30/2011 | 216,201       | 0             |
| DC Public Service Commission | Provider relations                         | N                | Y                       | 02/02/2010 | 09/30/2011 | 69,569        | 0             |

Add Row

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### Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$492,912      10q. How much Remains? \$3,548,904

10r. How much matching funds have been expended as of the end of last quarter? \$189,093      10s. How much Remains? \$1,155,443

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         | \$144,505             | \$637,394        | \$781,899    | \$0                    | \$168,558               | \$168,558            |
| Personnel Fringe Benefits | \$31,791              | \$90,088         | \$121,879    | \$0                    | \$20,535                | \$20,535             |
| Travel                    | \$0                   | \$0              | \$0          | \$0                    | \$0                     | \$0                  |
| Equipment                 | \$206,247             | \$158,000        | \$364,247    | \$2,644                | \$0                     | \$2,644              |
| Materials / Supplies      | \$125,000             | \$0              | \$125,000    | \$0                    | \$0                     | \$0                  |

| Mapping Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
| Subcontracts Total     | \$1,578,977           | \$148,635        | \$1,727,612  | \$167,636              | \$0                     | \$167,636            |
| Subcontract #1         | \$1,500,000           | \$0              | \$1,500,000  | \$216,201              | \$0                     | \$216,201            |
| Subcontract #2         | \$120,000             | \$0              | \$120,000    | \$69,569               | \$0                     | \$69,569             |
| 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                  | \$265,340             | \$310,419        | \$575,759    | \$36,862               | \$0                     | \$36,862             |
| Total Direct Costs     | \$3,971,860           | \$1,344,536      | \$5,316,396  | \$492,912              | \$189,093               | \$682,005            |
| Total Indirect Costs   | \$69,956              | \$0              | \$69,956     | \$0                    | \$0                     | \$0                  |
| Total Costs            | \$4,041,816           | \$1,344,536      | \$5,386,352  | \$492,912              | \$189,093               | \$682,005            |
| % Of Total             | 75                    | 25               | 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

The software has been purchased. The broadband mapping project contributed to DC's ESRI Enterprise License. DC has been using virtual servers from the DC's Office of Chief Technology Officer Data Center and has not purchased dedicated physical servers as originally planned.

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

We will be making software maintains payments annually. The 2011 payment has not yet been made.

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

10y. If yes, please list

Broadband subscribers in the District of Columbia from InfoUSA. We we be updating this data in 1 quarter of 2011.

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

10aa. If yes, please list

N/A

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

NTIA found an error DC's fall 2010 wireline data submission. DC over reported fiber coverage for two providers. DC received conflicting information from these providers, but our validation process should have found the problem. We are attempting to collect data earlier and allow more time for validation.

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

N/A

## 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

In the past year, the District has held two DC Community Broadband Summits (Feb and Oct 2010) to organize and educate the digital divide community about the grant-funded and other efforts. We have also developed a public education campaign which should launch in March, including a web site, PSA, posters/flyers and a Mobile Technology Lab (former bookmobile retrofitted as a computer lab). We are also in the process of developing the application process for the micro-grant program and hope to have hired our broadband coordinator by the end of 1Q11. Finally, we have been closely working and coordinating with two neighborhoods that are organizing to develop their own community broadband networks.

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

We have not yet encountered any challenges or obstacles.

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

We will ask NTIA for approval to shift funds (both initial and additional) among categories. We have overestimated our funding needs for our Advisory Committee, DCPL/non-profit training, and semi-annual summit meetings. We would like to reduce those amounts and add them to the allocations for public education/outreach, micro-grants, and grant financial reporting/compliance.

## 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?

The additional planning funds are not yet loaded and available, so there are no milestones at this time.

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

The only real challenge has been getting the additional planning funds loaded and made available for use. Our financial office is working on it and should have any issues resolved shortly. In the meantime, we have been relying only on the initial funds to proceed with the project.

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

The District of Columbia digital divide community is energized and active as a result of this grant and the BTOP grants the city has received. As a result, substantial activities forwarding the grant's purposes are already occurring even without using grant funds.

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

Joseph Carella

BTOP Program Consultant

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

2027153743

12d. Email Address

joe.carella@dc.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

02-11-2011