QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	**2. Award Identification Number** NT10BIX5570081	**3. DUNS Number** 022555952

4. Recipient Organization

District of Columbia Government 441 4th St., NW, Suite 930S, Washington, DC 20001-2714

5. Current Reporting Period End Date (MM/DD/YYYY) 06-30-2013	**6. Is this the last Report of the Award Period?** ◯ Yes ⦿ No

7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.

7a. Typed or Printed Name and Title of Certifying Official Joseph Carella BTOP Program Consultant	**7c. Telephone (area code, number and extension)** 2027153743
	7d. Email Address joe.carella@dc.gov
7b. Signature of Certifying Official Submitted Electronically	**7e. Date Report Submitted (MM/DD/YYYY):** 08-21-2013

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).

DC-Net, within the District's Office of the Chief Technology Officer (OCTO), continues to make significant progress on the DC Community Access Network (DC-CAN). This program is committed to building broadband infrastructure to positively change the lives of our constituency.

This quarter's installation of forty-six (46) miles of backbone and loop fiber brings the deployment to one hundred eighty-six (186). Regarding Community Anchors, DC-CAN installed another thirty (30) new anchors, bringing the new anchor total to one hundred and ninety-two (192); all sixty-eight (68) upgrade sites are complete, for a total of two hundred sixty (260) anchors. Thirty (30) additional wireless access points were installed, bringing the total to one hundred twenty (120), and one (1) new point of inter-connection were installed, bringing the total to eleven (11). Two (2) new partner agreements were signed with high-speed internet providers, bringing the total to three (3).

OCTO completed the District's A-133 audit efforts on this grant.

OCTO received an extension from National Telecommunications & Information Administration (NTIA) on the DC-CAN project to September 30, 2013. OCTO received approval from NTIA on its third and final route modification.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	86	OCTO's DC-Net has expended 86% of DC-CAN project funds vs. forecast target of 86% of funds planned to be expended by this quarter and 100% baseline target. We are making good progress in turning up new CAIs and have finished all upgrades. Fiber installation has exceeded the program goal
2b.	Environmental Assessment	100	Completed.
2c.	Network Design	98	Baseline had indicated project would be 100% complete with Network Design at this point. Due to selection of final community anchor institutions (CAIs), final route design will not be complete until next quarter.
2d.	Rights of Way	0	N/A
2e.	Construction Permits and Other Approvals	0	N/A
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	92	OCTO's DC-Net has spent 92% of DC-CAN project funds vs. forecast target of 99% of funds planned to be expended by this quarter, and 100% baseline target. Equipment purchases were slightly deferred so that acquisition was more consistent with CAI implementation schedule.
2h.	Network Build (all components - owned, leased, IRU, etc)	92	DC-CAN has expended approximately 92% of DC-CAN project funds for network build vs. baseline target of 100% of funds planned to be expended by this quarter. DC-CAN installed an additional forty-six (46) new linear miles of fiber cable this quarter, bringing the total installed mileage to one hundred

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
			eighty-six (186), exceeding the program goal of one hundred seventy-four (174). DC-CAN is now delivering services to two hundred sixty (260) anchors, slightly behind the baseline target of two hundred ninety-one (291) anchors.
2i.	Equipment Deployment	89	DC-CAN is providing services to an additional thirty (30) new Community Anchor Institutions (CAIs), to bring the total served to one hundred ninety-two (192) CAIs served, of a planned 223. DC-CAN has completed all sixty-eight (68) upgraded CAIs. DC-CAN installed an additional thirty (30) wireless access points (WAPs), bringing the total to one hundred twenty (120) of a planned two hundred twenty-three (223) at new anchor sites. DC-CAN installed one (1) additional points of inter-connection (POIs) bringing the total to eleven (11) of an approved goal of fourteen (14) POIs. 89% represents the proportional cumulative spend on actual equipment deployed to active CAIs and POIs, measured against the Baseline target of 100% planned to be expended by this quarter.
2j.	Network Testing	92	DC-CAN has tested the installed fiber, and confirmed the new and upgraded Community Anchors are performing as expected. DC-CAN has spent 92% vs. DC-CAN Baseline target of 100% planned to be expended by this quarter, measured as proportion of fiber installed against planned fiber miles. Network testing is proportional to the network build. DC-CAN is testing the network as it is installed; we will stay consistent with the network build ratios.
2k.	Other (please specify): Finance, Project Management, Reporting, Compliance	91	DC-Net has spent 91% vs. DC-CAN Baseline target of 100% planned to be expended by this quarter. Due to the approved extension, these tasks will be executed over a slightly longer period.

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

This quarter, DC-CAN continued installation progress. State Historic Preservation Office (SHPO) review of the proposed anchor sites for guidance on placement of wireless access points (WAPs) is taking longer than expected. However, over two hundred ninety (290) sites have been reviewed, and we are proceeding with WAP installation at sites SHPO has expressed no interest in, while permits are being submitted to SHPO for sites of interest.

4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	186	DC-Net has installed one hundred eighty-six (186) miles of new DC-CAN fiber, exceeding both the Baseline target and overall program goal of one hundred seventy-four (174) miles. Per mile cost expenditures are consistent with fiber implementation budget estimate. DC-CAN's expects to install an additional nine (9) miles of fiber this quarter, bringing the total to one hundred ninety-five (195) miles, over twenty (20) miles more than originally planned.
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	186	DC-Net has installed one hundred eighty-six (186) miles of new DC-CAN fiber, exceeding both the Baseline target and overall program goal of one hundred seventy-four (174) miles. Per mile cost expenditures are consistent with fiber implementation budget estimate. DC-CAN's expects to install an additional nine (9) miles of fiber this quarter, bringing the total to one hundred ninety-five (195) miles, over twenty (20) miles more than originally planned.
Number of new wireless links	120	DC-Net installed an additional thirty (30) wireless access points (WAPs) at community anchor institutions (CAIs) for the quarter ending June 30, 2013, bringing the total to one hundred twenty (120), compared with a Baseline target of two hundred twenty-three (223) new CAIs. With all preliminary approvals now received by State Historic Preservation Office (SHPO), installations will be completed more quickly in the future. We are installing WAPs at locations requiring no permits, which have no historical interest, and require no further consultation with SHPO. With the approved project extension to September 30, two hundred twenty-three (223) wireless links will be fully operational by the end of the grant. To meet this goal, DC-CAN must timely secure final approval from SHPO at any remaining historical CAI locations, gain approval and access permission from landlords and other building stakeholders, and aggressively manage installation schedule. (In some earlier Performance Progress Reports (PPRs), DC-Net referenced a target of two hundred ninety-one (291) installed WAPs, rather than the two hundred twenty-three (223) target mentioned here. In the DC-CAN baseline, the commitment has always been 223 WAPs installed. However, in the original budget, we had reserved funds for 291 WAPs. In the active budget revision, currently in process, we are reducing the budget commitment to 223, matching the baseline commitment installation target.)
Number of new towers	0	N/A

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Number of new and/or upgraded interconnection points	11	DC-CAN has completed implementation at one (1) additional open access points of inter-connection (POIs), bringing the total to eleven (11). Cost expenditures are consistent with POI implementation budget estimate. While the Baseline target of ten (10) points of inter-connection has been exceeded, an earlier approved route modification increased the number of inter-connection points to (14). The final three (3) sites will be installed and operational this coming quarter, ending September 30, 2013.

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	3
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	2
Average term of signed agreements (in quarters)	12

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:

DC Access, a local internet service provider, is the first high-speed internet partner providing last-mile services.
Networking for Future ("NFF"), a local internet service provider, offering last-mile services.
Novation Broadband ("Novation"), a local internet service provider, offering last-mile services.

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in $ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:

N/A

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this this third party operates (600 words or less).

OCTO's DC-Net unit, which implemented DC-CAN, will operate the network. DC-Net is part of the awardee, and not a third party. Contact information is 202.727.2277; DCNET@DC.Gov ; 655 15th Street, NW Washington DC 20005.

6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	**Providers with signed agreements receiving new access**	3	This quarter, DC-CAN has executed an additional two (2) agreements with high-speed internet access providers, to offer internet services over the last mile to local businesses and individuals. Negotiations are proving more complex than originally planned, but they continue with two (2) additional possible partners. Baseline had expected four (4) signed agreements with new

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
			providers to be in place.
	Providers with signed agreements receiving improved access	0	DC-CAN has no existing agreements with broadband wholesalers, nor high-speed internet access providers for last-mile services. As there had been no pre-existing partners, the number of improved partner agreements will remain at zero for the life of the grant. Baseline had mistakenly listed two upgrades in the plan.
	Providers with signed agreements receiving access to dark fiber	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	1	All three partners receive 1 Gbps service.
Community Anchor Institutions (including Government institutions)	**Total subscribers served**	260	DC-CAN currently serves two hundred sixty (260) Community Anchor Institutions (CAIs), including one hundred ninety-two (192) new CAIs, along with sixty-eight (68) upgraded CAIs previously served by DC-Net. Baseline plan had expected two hundred ninety-one (291) total CAIs, comprised of two hundred twenty-three (223) new and sixty-eight (68) upgraded CAIs. For the coming quarter, we intend to complete all CAI installations, installing the final thirty-one (31) additional new CAIs, for a total of two hundred twenty-three (223) new CAIs served. Along with the sixty-eight (68) completed upgrades, DC-CAN will have its entire committed total of two hundred ninety-one (291) new and upgraded CAIs under contract and served.
	Subscribers receiving new access	192	DC-CAN currently serves one hundred ninety-two (192) new Community Anchor Institutions (CAIs). Baseline plan had expected two hundred twenty-three (223) new CAIs. For the coming quarter, we intend to complete all CAI installations, installing the final thirty-one (31) additional new CAIs, for a total of two hundred twenty-three (223) new CAIs served.
	Subscribers receiving improved access	68	DC-CAN currently serves sixty-eight (68) upgraded Community Anchor Institutions (CAIs), consistent with the Baseline plan. All upgrade sites have been installed and are operational.
	Please identify the speed tiers that are available and the number or subscribers for each	5	DC-CAN offers subscribers five (5) different speed tiers of service, ranging from 10 megabit-per-second (Mbps) to 100 Mbps. 10 Mbps subscribers = 252. 20 Mbps subscribers = 1. 30 Mbps subscriber = 1. 40 Mbps subscriber = 1. 100 Mbps subscriber = 5. Total = 260 community anchors.
Residential / Households	**Entities passed**	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

7. Please describe any special offerings you may provide (600 words or less).

None, at this time.

8a. Have your network management practices changed over the last quarter? ◯ **Yes** ◉ **No**

8b. If so, please describe the changes (300 words or less).

N/A

9. Community Anchor Institutions:
Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
See CCI PPR Addendum	District of Columbia	Addendum	Addendum	See CCI PPR Addendum

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).

DC-CAN has received its project extension from National Telecommunication and Information Administration (NTIA), changing the end date for program execution to September 30, 2013. DC-CAN has also had its third and final route modification approved by NTIA. With the extension secured and the approval of the final route modification, OCTO is confident all committed program goals will be met or exceeded.

For the final quarter, DC-CAN expects to install the final thirty-one (31) new Community Anchor Institutions (CAIs), for a total of two hundred twenty-three (223) new CAIs served. Including the sixty-eight (68) upgraded CAI sites already completed, DC-CAN projects total anchors served will be the committed two hundred ninety-one (291) new and upgraded CAIs. DC-CAN will continue deployment of wireless access points (WAPs), installing the remaining one hundred three (103) WAPs and bringing the total at new, operational anchors to two hundred twenty-three (223) WAPs.

DC-CAN will install the final three (3) additional points of inter-connection (POIs) operational, completing the commitment of fourteen (14). In addition, DC-CAN will install an additional nine (9) miles of fiber, bringing total fiber installed to one hundred ninety-five (195) miles, far exceeding the commitment of one hundred seventy-three (173) new fiber miles installed.

In summary, OCTO commits that by the end of the next quarter, DC-CAN project will have:
a. Spent 100% of overall project budget, and 100% of awarded federal grant.
b. Received approval on its budget modification, to be submitted in August.

c. Installed two hundred ninety-one (291) community anchor institutions (CAIs), or 100% of committed project total. This includes two hundred twenty-three (223) new CAIs and sixty-eight (68) upgrades.
d. Installed fourteen (14) points of inter-connection (POI), or 100% of committed project total.
e. Installed one hundred ninety-five (195) miles of fiber, exceeding 100% of committed project total.
f. Installed two hundred twenty-three (223) wireless access points (WAPs) at new, approved CAIs, or 100% of committed project total.
g. Executed the final last-mile partner agreement, bringing the total to four (4) new partner agreements, or 100% of committed project total.
h. Spent match consistent with award agreement and revised budget.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	100	Office of the Chief Technology Officer (OCTO) commits that the entire federal grant will be spent, along with its recipient match contribution, consistent with the award agreement. All program goals committed in the Baseline will be met. OCTO will start with grant closeout activities.
2b.	Environmental Assessment	100	Per Baseline.
2c.	Network Design	100	Per Baseline.
2d.	Rights of Way	100	Per Baseline.
2e.	Construction Permits and Other Approvals	100	Per Baseline.
2f.	Site Preparation	100	Per Baseline.
2g.	Equipment Procurement	100	Per Baseline. All equipment will be procured; equipment not yet installed as of the end of the grant period will be warehoused, and installed afterwards.
2h.	Network Build (all components - owned, leased, IRU, etc.)	100	Per Baseline.
2i.	Equipment Deployment	100	Per Baseline. All equipment will be procured; equipment not yet installed as of the end of the grant period will be warehoused, and installed afterwards.
2j.	Network Testing	100	Per Baseline. Network testing includes testing of the fiber, and for all installed equipment. At locations where only fiber is installed (and where equipment is not installed, due to potential customers electing not to receive service at present), testing will obviously not include uninstalled equipment. Everything installed will be tested, and therefore 100%.
2k.	Other (please specify): Finance, Reporting, Compliance, Project Management	100	Per Baseline.

3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

There is only one risk to executing the last quarter's plan. District's State Historic Preservation Office completed its final review of all possible anchor sites, consistent with SHPO Consultation Agreement. However, it is difficult to forecast whether all final approvals will be received in time to support the installation of the rooftop wireless access points.

Infrastructure Budget Execution Details

Activity Based Expenditures (Infrastructure)

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Cost Classification	Budget for Entire Project			Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	$0	$0	$0	$0	$0	$0	$0	$0	$0
b. Land, structures, right-of-ways, appraisals, etc.	$0	$0	$0	$0	$0	$0	$0	$0	$0
c. Relocation expenses and payments	$0	$0	$0	$0	$0	$0	$0	$0	$0
d. Architectural and engineering fees	$1,629,320	$0	$1,629,320	$1,094,813	$0	$1,094,813	$1,424,010	$0	$1,424,010
e. Other architectural and engineering fees	$0	$0	$0	$0	$0	$0	$0	$0	$0
f. Project inspection fees	$1,816,750	$0	$1,816,750	$0	$0	$0	$0	$0	$0
g. Site work	$0	$0	$0	$0	$0	$0	$0	$0	$0
h. Demolition and removal	$0	$0	$0	$0	$0	$0	$0	$0	$0
i. Construction	$8,139,804	$0	$8,139,804	$7,384,980	$0	$7,384,980	$8,366,822	$0	$8,366,822
j. Equipment	$13,369,978	$7,498,088	$5,871,890	$13,107,863	$6,618,855	$6,489,008	$15,180,020	$7,513,088	$7,666,932
k. Miscellaneous	$77,148	$77,148	$0	$62,148	$62,148	$0	$62,148	$62,148	$0
l. SUBTOTAL (add a through k)	$25,033,000	$7,575,236	$17,457,764	$21,649,804	$6,681,003	$14,968,801	$25,033,000	$7,575,236	$17,457,764
m. Contingencies	$0	$0		$0	$0	$0	$0	$0	$0
n. TOTALS (sum of l and m)	$25,033,000	$7,575,236	$17,457,764	$21,649,804	$6,681,003	$14,968,801	$25,033,000	$7,575,236	$17,457,764

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: $0

b. Program Income to Date: $408,484