

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 NT10BIX5570140	3. DUNS Number 965088057
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4. Recipient Organization University of Hawaii Systems 2530 Dole Street, Honolulu, HI 96822-2309
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5. Current Reporting Period End Date (MM/DD/YYYY) 06-30-2013	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No
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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 Yaa-Yin Fong Director	7c. Telephone (area code, number and extension) (808) 956-7800
	7d. Email Address yaayin@hawaii.edu

7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 08-14-2013
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Project Indicators (This Quarter)

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

The project has made significant progress this past quarter and is now back on schedule tracking the baseline numbers. 146 sites were given new or improved access this quarter. The island of Kauai was completely finished and Maui was completed except for three sites on the East side of the island.

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	71	Overall project percentage reported is based on funds expended (Total funds including match) but the actual progress, based on the fiber construction, equipment installation and site activation, is 90% complete. Our major subcontractor is still behind on billings so funds actually expended during the quarter continue to be much less than the overall completion percentage indicated.
2b.	Environmental Assessment	100	completed
2c.	Network Design	100	completed
2d.	Rights of Way	0	n/a
2e.	Construction Permits and Other Approvals	0	n/a
2f.	Site Preparation	100	completed
2g.	Equipment Procurement	98	Almost all equipment has been purchased for the project and is in the process of being received and inventoried. Equipment procurement percentage reflects quantities of equipment, not dollar value. Procurement is less than the Baseline since it is not practical to order the final equipment items until most of the installations are complete.
2h.	Network Build (all components - owned, leased, IRU, etc)	90	As sites are spliced into the INET rings they are being activated where the network topology allows. The network build is less than the baseline due the delays encountered at the beginning of the project.
2i.	Equipment Deployment	95	Equipment Deployment continues across the State by the DOE, HSPLS and UH Staff
2j.	Network Testing	90	Network testing is tracking the network build.
2k.	Other (please specify):	0	n/a

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).

The project has made significant progress during the last quarter. It has been challenging in terms of logistics and coordination among all INET partners, end of school, registration periods and Oceanic. The project team has made excellent progress considering the coordination required to get sites connected.

Construction has slowed down as the challenging sites are left to build. Neighbor island builds are almost done as well.

The project team had hoped to make significant progress on the Big Island sites this quarter but due to logistics and equipment, it was decided to push most of the Big Island sites to the next quarter. The project teams do not believe this will cause any significant delays.

Fiber builds to Hana and Haleakala were unable to be built. Easement issues with landowners were unable to be resolved due to various reasons. The project has instead backhauled traffic from Hana across the existing University microwave network - but fiber has been placed to the Hana School and Library. For the fiber run to Haleakala, the project has instead requested for leased circuits from HawaiianTel. The project has built fiber to the Puu Nia Niau microwave station for the University, which is half way up the mountain to Haleakala. This will provide additional fiber connectivity to the microwave radios there, which serve the Hana site.

No assistance from the BTOP project is requested at this time.

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)
New network miles deployed	300	Some of the miles that were built to the sites are not counted in this category as they have not yet been terminated within the site although the fiber is physically run. A total of 88 miles of lateral fiber were built and 8 miles of new fiber. We are slightly behind the baseline numbers - this can be attributed to the inability for the project to build fiber to Hana and Haleakala due to easement issues with certain landowners. The project has instead utilized alternate means of connectivity. The revised new network miles deployed will be 409 miles.
New network miles leased	0	n/a
Existing network miles upgraded	755	177 miles of backbone fiber were upgraded this quarter for a cumulative total of 755 miles. This number is slightly below the baseline number and can be attributed to the late start of construction.
Existing network miles leased	0	n/a
Number of miles of new fiber (aerial or underground)	300	A total of 300 new network miles of fiber have been deployed to date. This number is lower than baseline as we were not able to build the Hana and Haleakala runs.
Number of new wireless links	0	n/a
Number of new towers	0	n/a
Number of new and/or upgraded interconnection points	0	n/a

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	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	0

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

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).
n/a

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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	0	n/a
	Providers with signed agreements receiving improved access	0	n/a
	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	0	n/a
Community Anchor Institutions (including Government institutions)	Total subscribers served	344	A total of 144 CAIs were given new or upgraded access this quarter. The number of CAIs given new access was slightly below baseline - there are a number of sites that are still being constructed next quarter. The lower than baseline number can be attributed to the late start of construction.
	Subscribers receiving new access	275	131 CAIs were given new access this quarter. The number of CAIs given new access was slightly below baseline - there are a number of sites that are still being constructed next quarter. The lower than baseline number can be attributed to the late start of construction.
	Subscribers receiving improved access	69	13 CAIs were given improved access this quarter. The number of CAIs given new access was slightly below baseline - there are a number of sites that are still being constructed next quarter. The lower than baseline number can be attributed to the late start of construction.
	Please identify the speed tiers that are available and the number of subscribers for each	2	There are two speed tiers - 10Gbps and 1Gbps. All sites were 1Gbps.
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
	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).

n/a

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
Connections NCPCS	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
DeSliva Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Haaheo Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Hilo Innovation Center	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Hilo Union Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Holualoa Elementary	Hoolualoa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Honokaa Library	Honokaa	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Honokaa Elementary	Honokaa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Innovations PCS	Kailua-Kona	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kahakai Elementary	Kailua-Kona	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kailua-Kona Library	Kailua-Kona	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Kapiolani Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaumana Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Ke Kual Nawahiokalaniopuu Iki Lab PCS	Keaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Ke Kula O Ehunuikaimalino	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

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
Keaau Library	Keaau	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Keaau Elementary	Keaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Keaau High School	Keaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Keaau Middle School	Keaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kealakehe Elementary	Kailua-Kona	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kealakehe Intermediate	Kailua-Kona	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kealakekua Library	Kailua-Kona	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Keaukaha Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Keonepoko Elementary	Pahoa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kohala Elementary	Kapaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kohala High School	Kapaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kohala Middle School	Kapaau	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Komohana	Hilo	Higher Ed	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Kona Pacific PCS	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Konawaena Elementary	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Konawaena High School	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Konawaena Middle School	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Laupahoehoe Library	Laupahoehoe	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Lapahoehoe High and Elementary	Kealakekua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Mountain View Elementary	Mountain View	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

Mountain View Library	Mountain View	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Naalehu Library	Naalehu	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Natural Energy Lab of Hawaii Association - Infrasound Lab	Kailua-Kona	Higher Ed	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
North Kohala Library	Kapaau	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Paauiilo EI and Intermediate	Paauiilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Pahoa Library	Pahoa	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Pahoa Elementary	Pahoa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
UH Hilo National Guard Armory	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waiakea Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waiakeawaena Elementary	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waikoloa Elementary	Waikoloa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
West Hawaii Explorations PCS	Kailua-Kona	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Eleele Elementary	Eleele	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Hanalei Elementary	Hanalei	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Hanapepe Library	Hanapepe	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Kalaheo Elementary	Kalaheo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kamakahahele Middle	Lihue	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kapaa Library	Kapaa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kapaa High School	Kapaa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kauai CC Farm	Lihue	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Kauai Community	Lihue	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

Kaumualii Elementary	Lihue	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Ke Kula Niihau Kekaha PCS	Kekaha	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kekaha	Kekaha	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kilauea Elementary	Kilauea	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Koloa library	Koloa	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Koloa Elementary	Koloa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Princeville Library	Princeville	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Waimea Library	Waimea	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Waimea Canyon Middle	Waimea	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waimea High School	Waimea	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
West Kauai Tech & Vistor Center	Waimea	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Haiku Elementary	Haiku	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kihei PCS	Kihei	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kula Elementary	Kula	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Aiea Elementary	Aiea	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Barbers Point Elementary	Kapolei	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Dole Middle School	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
DRFortress	Honolulu	Other Gov	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Ewa Beach Library	Ewa Beach	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Fern Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Halau Ku Mana NCPCS	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Halau Lokahi NCPCS	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

Hawaii State Library	Honolulu	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Hawaiian Studies	Honolulu	Higher Ed	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Honolulu Community College - Automotive	Honolulu	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Honolulu Community College - Marine Ed	Honolulu	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Iliahi Elementary	Wahiawa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Iroquois Point Elementary	Ewa Beach	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Jefferson Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Jefferson Orthopedic Unit	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaaawa Elementary	Kaaawa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaahumanu Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaewai Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaimiloa Elementary	Ewa Beach	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaimuki High School	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kaiulani Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kalakaua Middle	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kalihi Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kalihi-Kai Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kalihi-Uka Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kalihi-Waena Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kamaile AcademyPCS	Waianae	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kapalama Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kapolei Library	Kapolei	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.

Kapunahala Elementary	Kaneohe	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Kauluwela Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
King Intermediate	Kaneohe	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Leihoku Elementary	Waianae	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Liholiho Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Likelike Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Liliuokalani Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Linapuni Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Lincoln Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Lunalilo Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Maemae Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Maili Elemenaty	Maili	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Makaha Cable Station	Makaha	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Makakilo Elementary	Kapolei	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
McCully-Moiliili Library	Honolulu	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
McKinley Community	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Mililani Uka Elementary	Mililani	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Mokulele Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Pauoa Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Pearl City Elementary	Pearl City	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Puuhale Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

Royal Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Wahiawa Library	Wahiawa	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Wahiawa Elementary	Wahiawa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waiialua Elementary	Waiialua	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waianae Library	Waianae	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Waikiki-Kapahulu Library	Honolulu	Library	no	BTOP connectivity provides 1Gpbs bandwidth to the Hawaii State Public Library System for staff and public use.
Waikiki Elementary	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Washington Middle	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Wheeler Elementary	Wahiawa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Wheeler Middle	Wahiawa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Puu Kukui Elementary	Wailuku	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
UH Hilo PACRC	Hilo	Higher Ed	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Puu Kilea	Lanai City	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Hana Airport	Hana	Community College	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
DOE National Guard Annex	Honolulu	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Puu Ualakaa	Honolulu	Other Gov	yes	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Hawaii Community College - Nursing	Kealahou	Community College	no	BTOP connectivity provides 1Gpbs bandwidth to the University of Hawaii for staff and student use.
Kauai State Office Building	Lihue	Other Gov	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Hilo State Office Building	Hilo	Other Gov	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Maui State Office Building	Wailuku	Other Gov	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Pahoa High & Intermediate	Pahoa	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
Waiakea High School	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.

Waiakea Intermediate	Hilo	K-12 School	no	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use.
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Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 The project expects to complete all possible builds by next quarter. The project is requesting a 6 month no cost extension to complete the sites that could not be built in time due to circumstances out of its control (military approvals, DOE infrastructure improvements, pole replacements, etc). There are approximately 19 sites that are part of the no cost extension - although some may still be completed before the end of the grant.
 The project expects to complete the remaining 25 sites by the end of next quarter for a total of 369 sites.
 The project also expects to enter into IRU agreements with HawaiianTel to obtain 10Gbps or greater capacity to two sites that we were unable to build fiber to.
 Projected New Miles: 89
 Projected Upgraded Miles: 15

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	96	Overall project completion percentage is based on funds expended (total funds including match). The actual construction completion percentage is also estimated at 96%. The initial delay of nearly a year for Environmental Assessment (EA) caused more applications for utility poles and conduits to be submitted than could be processed in that shorter time frame. This is a major reason why completion is less than Baseline and why we are requesting a 6-month no cost extension to complete the remaining sites.
2b.	Environmental Assessment	100	completed
2c.	Network Design	100	completed
2d.	Rights of Way	0	n/a
2e.	Construction Permits and Other Approvals	0	n/a
2f.	Site Preparation	100	completed
2g.	Equipment Procurement	100	completed
2h.	Network Build (all components - owned, leased, IRU, etc.)	96	All but approximately 19 sites would have been completed. These 19 are part of the requested no cost extension.
2i.	Equipment Deployment	100	completed
2j.	Network Testing	96	Network testing will track the Network Build.
2k.	Other (please specify):	0	n/a

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).
 The project will have completed all construction sites and network builds with the exception of the approximately 19 sites by the end of August 2013.
 The project requests the assistance of the BTOP team in approving the requested 6 month extension. The sites impacted by the extension were delayed in being built due to a variety of challenges - including pole replacement, congested or lack of infrastructure on campus infrastructure, delayed approvals by the Military and HawaiianTel. If the 6 month extension is granted, the project and its partners are confident that these challenges will be overcome as all are resolvable with more time to complete the tasks at hand.

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.

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		
Cost Classification	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	\$75,000	\$0	\$75,000	\$111,008	\$0	\$111,008	\$111,008	\$0	\$111,008
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	\$2,200,000	\$608,554	\$1,591,446	\$2,200,000	\$608,554	\$1,591,446	\$2,200,000	\$608,554	\$1,591,446
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$0	\$0	\$0	\$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	\$25,528,000	\$7,061,446	\$18,466,554	\$15,226,385	\$4,389,235	\$10,837,150	\$24,267,992	\$6,763,846	\$17,504,146
j. Equipment	\$14,663,000	\$823,200	\$13,839,800	\$12,538,248	\$844,281	\$11,693,967	\$14,553,000	\$854,000	\$13,699,000
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
l. SUBTOTAL (add a through k)	\$42,466,000	\$8,493,200	\$33,972,800	\$30,075,641	\$5,842,070	\$24,233,571	\$41,132,000	\$8,226,400	\$32,905,600
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n. TOTALS (sum of l and m)	\$42,466,000	\$8,493,200	\$33,972,800	\$30,075,641	\$5,842,070	\$24,233,571	\$41,132,000	\$8,226,400	\$32,905,600

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: \$0
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