

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
4. Recipient Organization University of Hawaii Systems 2530 Dole Street, SAK D-200, Honolulu, HI 96822-2309		
5. Current Reporting Period End Date (MM/DD/YYYY) 06-30-2011	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> 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 Yaa-Yin Fong	7c. Telephone (area code, number and extension) X	
	7d. Email Address yaayin@hawaii.edu	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 08-15-2011	

Project Indicators (This Quarter)

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

The Environmental Assessment was completed and a Finding of no Significant Impact (FONSI) was issued at the end of this quarter. The first round of equipment has been completely received and deployment is in process at sites. Some sites that have existing fiber connectivity have been upgraded with new network equipment and the fiber links were upgraded or prepared to support the addition of other sites along the path. Two CAI's (High Schools) were brought online during this quarter. These sites had existing fiber that was unlit. Their network capacity was increased from 6Mbps to 1Gbps. A major agreement with Wavecom Solutions to design and construct 10G wavelength connections from UH Manoa to Moloka'i and Lana'i was fully executed during this quarter and negotiations were nearly completed with Oceanic Time Warner.

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	13	Project is behind the baseline, primarily because the FONSI was not received until the end of the quarter so construction could not actually start during this quarter. Equipment deployment has progressed at a slightly slower pace than anticipated due to delays in receiving equipment and staff changes at the DOE. Overall project percentage is based on actual completion of the project - i.e., deploying fiber, equipment and activation of services. Although closely related, overall project percent completion does not directly correspond to percentage expended and is not expected for this project for a number of reasons including: equipment may be received but not installed in exactly the same quarter, equipment may be received and installed but not paid for or drawn down within the same quarter, work may be done but not yet paid for and drawn down in the same quarter, specific item costs might vary slightly (up or down) from budgeted amounts, etc.
2b.	Environmental Assessment	100	EA Submitted and FONSI received
2c.	Network Design	100	Completed per baseline.
2d.	Rights of Way	0	n/a
2e.	Construction Permits and Other Approvals	0	n/a
2f.	Site Preparation	100	Completed per baseline. All sites have been pre-fielded.
2g.	Equipment Procurement	40	All equipment on initial order has been received. Equipment Procurement percentage reflects quantities of equipment, not dollar value. Baseline showed 100% of equipment received, however since the FONSI has delayed construction and the deployment has been delayed, we have decided to delay the purchasing of the remainder of equipment until construction has begun and more equipment has been installed.
2h.	Network Build (all components - owned, leased, IRU, etc)	8	Majority of UH sites have been upgraded with new equipment and certain existing fiber segments have been upgraded to new capacity. Some DOE sites have had equipment upgraded as well. This is below the baseline due to the delays in the FONSI and associated impacts.
2i.	Equipment Deployment	10	Distance Learning equipment has begun, as well as equipment deployment at site. Project is behind baseline, partly due to some delay in receiving equipment and staffing issues at the DOE.
2j.	Network Testing	4	Links that have been upgraded with improved site access or new access have been tested and are in production. Project is behind baseline due to delay in receiving FONSI and no construction being done. The project has upgraded and tested links over fiber that was already in place.
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 delay in receiving the FONSI has delayed all construction-related milestones such as network build, deployment, and network testing and overall project completion by at least a quarter and thus most baseline milestones have been missed. Equipment on the initial order was slightly delayed in delivery due to manufacturing issues but was completely received during this quarter. This has delayed the deployment of the equipment at the sites.
 Staff changes at a partner institution, Department of Education (DOE), have also delayed the project slightly. The University is working with the DOE to bring their current team up to speed on the project and the timeline.

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	0	Since the FONSI was received at the end of the quarter, construction has not started.
New network miles leased	0	n/a
Existing network miles upgraded	50	Estimated mileage. This represents the approximate miles that have been upgraded to 10Gbps or have been added to the network (fiber was already run to the site, but not lit) and connected at 1Gbps. This is below the baseline as the equipment deployment and staffing delays have delayed the upgrades of sites.
Existing network miles leased	0	n/a
Number of miles of new fiber (aerial or underground)	0	FONSI was received at the end of the Quarter. Construction has not started.
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 third party operates (600 words or less).

n/a

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	13	13 CAIs have been given upgraded access or new access. The number is below the baseline as no new construction has been done due to the delay in receiving the FONSI.
	Subscribers receiving new access	2	2 CAIs have been given new access. This was done by existing fiber that was previously run into the sites but not yet activated. The number is below the baseline as no new construction has been done due to the delay in receiving the FONSI.
	Subscribers receiving improved access	11	11 CAIs have had their access speeds upgraded and/or new equipment installed to increase their capacity. The number is below the baseline as the deployment of new equipment to the sites was delayed by equipment delivery and installation delays.
	Please identify the speed tiers that are available and the number or subscribers for each	2	There are two speed tiers - 10Gbps and 1Gbps. 2 sites have received upgraded circuits at 10Gbps, All other sites (90) are at 1Gbps, including the two sites that received new access.
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).
 none

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
Honokaa High School	Honokaa	k-12	yes	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use. Prior to BTOP the site had a 6Mbps cable modem access.
Waipahu High School	Waipahu	K-12	yes	BTOP connectivity provides 1Gpbs bandwidth to the State of Hawaii Department of Education network for student and staff use. Prior to BTOP the site had a 6Mbps cable modem access.

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 We expect that the contract with Oceanic will be fully executed so construction can commence next quarter. Site upgrades to Community Anchor Institutions that are already on the network and site installations to CAIs that already have fiber but are not on the network will continue as they have during this past quarter. Equipment deployment will continue throughout the state. Once construction begins, we will begin to expend matching funds more actively. In addition, job creation figures should increase. We expect that a number of sites will have their construction completed by the end of the next quarter.

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	20	Overall project completion percentage will still be below the baseline as the project catches up with delays from the FONSI and equipment deployment. Although closely related, overall project percent completion will not directly correspond to percentage expended and is not expected to do so for this project for a number of reasons including: equipment may be received but not installed in exactly the same quarter, equipment may be received and installed but not paid for or drawn down within the same quarter, work may be done but not yet paid for and drawn down in the same quarter, specific item costs might vary slightly (up or down) from budgeted amounts, etc. In this next quarter, which is our actual project startup from a construction perspective, we expect to buy more equipment than can be deployed within the quarter in order to streamline administrative processing and maximize discounts.
2b.	Environmental Assessment	100	FONSI has been issued. No further action on this milestone required.
2c.	Network Design	100	per baseline
2d.	Rights of Way	0	n/a
2e.	Construction Permits and Other Approvals	0	n/a
2f.	Site Preparation	100	per baseline

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2g.	Equipment Procurement	45	Purchasing of the remainder of equipment has been delayed due to the delay in the construction schedule which could not begin until the FONSI was issued. Partial orders of additional equipment will be done during the next quarter. It is not expected that all of the equipment will be purchased until the end of the 2nd year.
2h.	Network Build (all components - owned, leased, IRU, etc.)	20	Network build completion percentage will continue to be lower than Baseline until delays caused by the late issuance of the FONSI (June 2011) can be made up but construction will start during this quarter. .
2i.	Equipment Deployment	25	Equipment deployment will be lower than the Baseline this quarter since it was not possible to procure all equipment until construction could begin. We expect to ramp up the deployment this quarter but will not catch up to Baseline until later this calendar year due to late issuance of FONSI.
2j.	Network Testing	20	Network testing will commence as fiber is installed to locations. Network testing percentage will be behind the baseline as the project catches up with installations.
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).

Construction delays and equipment deployment delays caused by delayed issuance of the FONSI are causing the project to miss the baseline milestones. We expect to catch up to the baseline by the end of Year 2. The project is looking at ways to streamline equipment deployment among the project partners to increase efficiencies and speed the equipment deployment to sites. Additionally, we are working with Oceanic to streamline the construction and deployment plan.

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	\$0	\$0	\$0	\$110,948	\$0	\$110,948
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	\$0	\$0	\$0	\$2,000,000	\$550,554	\$1,449,446
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	\$0	\$0	\$0	\$5,105,600	\$1,021,120	\$4,084,480
j. Equipment	\$14,663,000	\$823,200	\$13,839,800	\$3,881,221	\$13,853	\$3,867,368	\$6,598,350	\$1,319,670	\$5,278,680
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	\$3,881,221	\$13,853	\$3,867,368	\$13,814,898	\$2,891,344	\$10,923,554
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	\$3,881,221	\$13,853	\$3,867,368	\$13,814,898	\$2,891,344	\$10,923,554

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