

## **BTOP Comprehensive Community Infrastructure Community Anchor Institution and Network Points of Interest Detail Template**

Please complete the Anchor Institution Details worksheet by providing information on Community Anchor Institutions that will be directly connected by the proposed network as necessary. All Community Anchor Institutions should be given a type from the specification. A Community Anchor Institution is considered a minority-serving institution if it is a post-secondary educational institution with enrollment of minority students exceeding 50% of its total enrollment. The "Project Role" column only requires a word or two, or a short phrase, not a detailed explanation of the role of project partners and community anchor institution provided in the essay portions of the application.

Please complete the Points of Interest worksheet by providing information on all points of interest. Points of interest include interconnection (passive, non-environmentally controlled points of interconnection, and cell sites, may be excluded), collocation facilities, central offices, head ends, and other central office facilities, network access points to last mile service providers, Internet peering points, and cell sites. For each point of interest you may provide either a street address or geocoordinates (latitude and longitude). You must provide detail on what the point of interest is, whether it is already existing or will be created by the proposed project. Where more than one facility type applies, select the most appropriate facility type. For example, if a central office houses a point of interconnection, select central office as the facility type, or if a cell site is located on a tower, select tower as the facility type. The "Interconnection Available at the Facility" field should be Yes if interconnection to the proposed network is available at that location, otherwise No. The brief description field is optional and may be used to convey a better understanding of what the facility is. You may use the space at the bottom of the table to provide additional notes, if desired.

**The data provided via this template will be subject to automated processing. Applicants are therefore required to provide this upload as an Excel file, and not to convert it to a PDF or other file format for upload. Additionally, applicants should not modify the format of this file.**

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**BTOP CCI Community Anchor Institutions Detail Template**

Title: **Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries**  
 Easy Grants ID: **5786**

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Ahuimanu El	DOE	47-470 Hui Aeko Place	Kaneohe	HI	96744	School (k-12)		Public School
Aiea El	DOE	99-370 Moanalua Road	Aiea	HI	96701	School (k-12)		Public School
Aiea High	DOE	98-1276 Ulune Street	Aiea	HI	96701	School (k-12)		Public School
Aiea Int	DOE	99-600 Kulawea Street	Aiea	HI	96701	School (k-12)		Public School
Aikahi El	DOE	281 Ilihaui Street	Kailua	HI	96734	School (k-12)		Public School
Aina Haina El	DOE	801 W. Hind Drive	Honolulu	HI	96821	School (k-12)		Public School
Ala Wai El	DOE	503 Kamoku Street	Honolulu	HI	96826	School (k-12)		Public School
Aliamanu El	DOE	3265 Salt Lake Boulevard	Honolulu	HI	96818	School (k-12)		Public School
Aliamanu Middle	DOE	3271 Salt Lake Boulevard	Honolulu	HI	96818	School (k-12)		Public School
Aliiolani El	DOE	1240 7th Avenue	Honolulu	HI	96816	School (k-12)		Public School
Anuenue	DOE	2528 10th Avenue	Honolulu	HI	96816	School (k-12)		Public School
August Ahrens El	DOE	94-1170 Waipahu Street	Waipahu	HI	96797	School (k-12)		Public School
Baldwin High	DOE	1650 Kaahumanu Avenue	Wailuku	HI	96793	School (k-12)		Public School
Barbers Point El	DOE	3001 Boxer Road	Kapolei	HI	96707	School (k-12)		Public School
Campbell High	DOE	91-980 North Rd	Ewa Beach	HI	96706	School (k-12)		Public School
Castle High	DOE	45-386 Kaneohe Bay Drive	Kaneohe	HI	96744	School (k-12)		Public School
Central District Office	DOE	300 Kahelu Ave. Suite 50	Mililani	HI	96789	School (k-12)		Public School
Central Middle	DOE	1302 Queen Emma Street	Honolulu	HI	96813	School (k-12)		Public School
Connections NCPCS	DOE	174 Kamehameha Avenue	Hilo	HI	96720	School (k-12)		Public School
DeSilva El	DOE	278 Ainako Avenue	Hilo	HI	96720	School (k-12)		Public School
Dole Middle	DOE	1803 Kamehameha IV Road	Honolulu	HI	96819	School (k-12)		Public School
Educ Lab a Hawaii NCPCS	DOE	1776 University Avenue, UHS Bldg	Honolulu	HI	96822	School (k-12)		Public School
Eleele El	DOE	4750 Uliuli Road	Eleele	HI	96705	School (k-12)		Public School
Enchanted Lake El	DOE	770 Keolu Drive	Kailua	HI	96734	School (k-12)		Public School
Ewa Beach El	DOE	91-740 Papipi Road	Ewa Beach	HI	96706	School (k-12)		Public School
Ewa El	DOE	91-1280 Renton Road	Ewa Beach	HI	96706	School (k-12)		Public School
Ewa Makai Middle	DOE	91-6291 Kapolei Parkway	Ewa Beach	HI	96706	School (k-12)		Public School
Farrington Community	DOE	1101 Kalihi Street	Honolulu	HI	96819	School (k-12)		Public School
Farrington High	DOE	1564 North King Street	Honolulu	HI	96817	School (k-12)		Public School
Fern El	DOE	1121 Middle Street	Honolulu	HI	96819	School (k-12)		Public School
Haaheo El	DOE	121 Haaheo Road	Hilo	HI	96720	School (k-12)		Public School
Hahaione El	DOE	595 Pepeekeo Street	Honolulu	HI	96825	School (k-12)		Public School
Haiku El	DOE	105 Pauwela Road	Haiku	HI	96708	School (k-12)		Public School
Hakipuu Learning Ctr PCS	DOE	45-720 Kea'ahala Road (WCC Haloe	Kane'ohe	HI	96744	School (k-12)		Public School
Halaui Ku Mana NCPCS	DOE	2101 Makiki Heights Drive	Honolulu	HI	96822	School (k-12)		Public School
Halaui Lokahi NCPCS	DOE	401 Waiakamilo Road, Unit 1A	Honolulu	HI	96817	School (k-12)		Public School
Hale Kula El	DOE	Waiana'e Ave & Ayers Ave	Wahiawa	HI	96786	School (k-12)		Public School
Haleiwa El	DOE	66-505 Haleiwa Road	Haleiwa	HI	96712	School (k-12)		Public School
Hana High & El	DOE	4111 Hana Highway	Hana	HI	96713	School (k-12)		Public School
Hanalei El	DOE	5-5415 Kuhio Highway	Hanalei	HI	96714	School (k-12)		Public School
Hauula El	DOE	54-046 Kamehameha Highway	Hauula	HI	96717	School (k-12)		Public School
Hawaii Academy of Arts & Scien	DOE	15-1397 Homestead Road	Pahoa	HI	96778	School (k-12)		Public School
Hawaii Center for the Deaf and	DOE	3440 Leahi Avenue	Honolulu	HI	96815	School (k-12)		Public School
Hawaii Tech Acad PCS	DOE	1001 Kamokila Blvd, Suite 211-D	Kapolei	HI	96707	School (k-12)		Public School
Heeia El	DOE	46-202 Haiku Road	Kaneohe	HI	96744	School (k-12)		Public School
Helemano El	DOE	1001 Ihi Ihi Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Hickam El	DOE	825 Manzelman Circle	Honolulu	HI	96818	School (k-12)		Public School
Highlands Int	DOE	1460 Hoolaulea Street	Pearl City	HI	96782	School (k-12)		Public School

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Hilo Community	DOE	450-C Waianuenue Avenue	Hilo	HI	96720	School (k-12)		Public School
Hilo High	DOE	556 Waianuenue Avenue	Hilo	HI	96720	School (k-12)		Public School
Hilo Int	DOE	587 Waianuenue Avenue	Hilo	HI	96720	School (k-12)		Public School
Hilo Union El	DOE	506 Waianuenue Avenue	Hilo	HI	96720	School (k-12)		Public School
Hokulani El	DOE	2940 Kamakini Street	Honolulu	HI	96816	School (k-12)		Public School
Holomua El	DOE	91-1561 Keaunui Drive	Ewa Beach	HI	96706	School (k-12)		Public School
Holualoa El	DOE	76-5957 Mamalahoa Highway	Holualoa	HI	96725	School (k-12)		Public School
Honaunau El	DOE	83-5360 Mamalahoa Highway	Captain Cook	HI	96704	School (k-12)		Public School
Honokaa El	DOE	45-534 Pakalana St	Honokaa	HI	96727	School (k-12)		Public School
Honokaa High & Int	DOE	45-527 Pakalana Street	Honokaa	HI	96727	School (k-12)		Public School
Honowai El	DOE	94-600 Honowai Street	Waipahu	HI	96797	School (k-12)		Public School
Hookena El	DOE	86-4355 Mamalahoa Highway	Captain Cook	HI	96704	School (k-12)		Public School
Iao Int	DOE	260 South Market Street	Wailuku	HI	96793	School (k-12)		Public School
Iliahi El	DOE	2035 California Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Ilima Int	DOE	91-884 Ft. Weaver Road	Ewa Beach	HI	96706	School (k-12)		Public School
Innovations PCS	DOE	75-5815 Queen Ka'ahumanu Highway	Kailua-Kona	HI	96740	School (k-12)		Public School
Iroquois Point El	DOE	5553 Cormorant Avenue	Ewa Beach	HI	96706	School (k-12)		Public School
Jarrett Middle	DOE	1903 Palolo Avenue	Honolulu	HI	96816	School (k-12)		Public School
Jefferson El	DOE	324 Kapahulu Avenue	Honolulu	HI	96815	School (k-12)		Public School
Jefferson Orthopedic Unit	DOE	324 Kapahulu Avenue	Honolulu	HI	96815	School (k-12)		Public School
Ka 'Umeke Ka'eo PCS	DOE	222 Desha Avenue	Hilo	HI	96720	School (k-12)		Public School
Ka Waihona o ka Na'auao NCPC	DOE	89-195 Farrington Hwy	Wai'anae	HI	96792	School (k-12)		Public School
Kaaawa El	DOE	51-296 Kamehameha Highway	Kaaawa	HI	96730	School (k-12)		Public School
Kaahumanu El	DOE	1141 Kinau Street	Honolulu	HI	96814	School (k-12)		Public School
Kaala El	DOE	130 California Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Kaelepulu El	DOE	530 Keolu Drive	Kailua	HI	96734	School (k-12)		Public School
Kaewai El	DOE	1929 Kam IV Road	Honolulu	HI	96819	School (k-12)		Public School
Kahakai El	DOE	76-147 Royal Poinciana Drive	Kailua-Kona	HI	96740	School (k-12)		Public School
Kahala El	DOE	4559 Kilaua Avenue	Honolulu	HI	96816	School (k-12)		Public School
Kahaluu El	DOE	47-280 Waihee Road	Kaneohe	HI	96744	School (k-12)		Public School
Kahuku El	DOE	56-170 Pualalea Street	Kahuku	HI	96731	School (k-12)		Public School
Kahuku High & Int	DOE	56-490 Kamehameha Highway	Kahuku	HI	96731	School (k-12)		Public School
Kahului El	DOE	410 South Hina Avenue	Kahului	HI	96732	School (k-12)		Public School
Kailua El	DOE	315 Kuulei Road	Kailua	HI	96734	School (k-12)		Public School
Kailua High	DOE	451 Ulumanu Drive	Kailua	HI	96734	School (k-12)		Public School
Kailua Int	DOE	145 South Kainalu Drive	Kailua	HI	96734	School (k-12)		Public School
Kaimiloa El	DOE	91-1028 Kaunolu Street	Ewa Beach	HI	96706	School (k-12)		Public School
Kaimuki Community	DOE	2705 Kaimuki Avenue	Honolulu	HI	96816	School (k-12)		Public School
Kaimuki High	DOE	2705 Kaimuki Avenue	Honolulu	HI	96816	School (k-12)		Public School
Kaimuki Middle	DOE	631 18th Avenue	Honolulu	HI	96816	School (k-12)		Public School
Kainalu El	DOE	165 Kaiholu Street	Kailua	HI	96734	School (k-12)		Public School
Kaiser High	DOE	511 Lunalilo Home Road	Honolulu	HI	96825	School (k-12)		Public School
Kaiulani El	DOE	783 North King Street	Honolulu	HI	96817	School (k-12)		Public School
Kalaheo El	DOE	4400 Maka Road	Kalaheo	HI	96741	School (k-12)		Public School
Kalaheo High	DOE	730 Iliaina Street	Kailua	HI	96734	School (k-12)		Public School
Kalakaua Middle	DOE	821 Kalihi Street	Honolulu	HI	96819	School (k-12)		Public School
Kalama Int	DOE	120 Makani Road	Makawao	HI	96768	School (k-12)		Public School
Kalani High	DOE	4680 Kalaniana'ole Highway	Honolulu	HI	96821	School (k-12)		Public School
Kalaniana'ole El & Int	DOE	27-330 Old Mamalahoa Highway	Papaikou	HI	96781	School (k-12)		Public School
Kaleiopuu El	DOE	94-665 Kaaholo Street	Waipahu	HI	96797	School (k-12)		Public School
Kalihi El	DOE	2471 Kula Kolea Drive	Honolulu	HI	96819	School (k-12)		Public School
Kalihi-kai El	DOE	626 McNeill Street	Honolulu	HI	96817	School (k-12)		Public School

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Kalihi-uka El	DOE	2411 Kalihi Street	Honolulu	HI	96819	School (k-12)		Public School
Kalihi-waena El	DOE	1240 Gulick Avenue	Honolulu	HI	96819	School (k-12)		Public School
Kamaile Academy PCS	DOE	85-180 Ala Akau Street	Waianae	HI	96792	School (k-12)		Public School
Kamakahelei Middle	DOE	4431 Nuhou Street	Lihue	HI	96766	School (k-12)		Public School
Kamalii El	DOE	180 Alanui Ke Alii	Kihei	HI	96753	School (k-12)		Public School
Kamehameha III El	DOE	611 Front Street	Lahaina	HI	96761	School (k-12)		Public School
Kamiloiki El	DOE	7788 Hawaii Kai Drive	Honolulu	HI	96825	School (k-12)		Public School
Kaneohe El	DOE	45-495 Kamehameha Highway	Kaneohe	HI	96744	School (k-12)		Public School
Kanoelani El	DOE	94-1091 Oli Loop	Waipahu	HI	96797	School (k-12)		Public School
Kanu o ka Aina NCPCS	DOE	65-1170 Opelo Road	Kamuela	HI	96743	School (k-12)		Public School
Kanuikapono PCS	DOE	4109 Kealia Road	Anahola	HI	96703	School (k-12)		Public School
Kapaa El	DOE	4886 Kawaihau Road	Kapaa	HI	96746	School (k-12)		Public School
Kapaa High	DOE	4695 Mailihuna Road	Kapaa	HI	96746	School (k-12)		Public School
Kapaa Middle	DOE	4867 Olohena Road	Kapaa	HI	96746	School (k-12)		Public School
Kapalama El	DOE	1601 North School Street	Honolulu	HI	96817	School (k-12)		Public School
Kapiolani El	DOE	966 Kilauea Avenue	Hilo	HI	96720	School (k-12)		Public School
Kapolei El	DOE	91-1119 Kamaaha Loop	Kapolei	HI	96707	School (k-12)		Public School
Kapolei High	DOE	91-5007 Kapolei Parkway	Kapolei	HI	96707	School (k-12)		Public School
Kapolei Middle	DOE	91-5335 Kapolei Parkway	Kapolei	HI	96707	School (k-12)		Public School
Kapunahala El	DOE	45-828 Anoi Road	Kaneohe	HI	96744	School (k-12)		Public School
Kau High & Pahala El	DOE	96-3150 Pikake Street	Pahala	HI	96777	School (k-12)		Public School
Kauai Community	DOE	3607A Lala Road, P-12	Lihue	HI	96766	School (k-12)		Public School
Kauai High	DOE	3577 Lala Road	Lihue	HI	96766	School (k-12)		Public School
Kauluwela El	DOE	1486 Aala Street	Honolulu	HI	96817	School (k-12)		Public School
Kaumana El	DOE	1710 Kaumana Drive	Hilo	HI	96720	School (k-12)		Public School
Kaumualii El	DOE	4380 Hanamaulu Road	Lihue	HI	96766	School (k-12)		Public School
Kaunakakai El	DOE	30 Ailoa Street	Kaunakakai	HI	96748	School (k-12)		Public School
Kawaikini NCPCS	DOE	3634 Lala Road	Lihue	HI	96766	School (k-12)		Public School
Kawananakoa Middle	DOE	49 Funchal Street	Honolulu	HI	96813	School (k-12)		Public School
Ke Ana La`ahana PCS	DOE	1500 Kalaniana`ole Avenue	Hilo	HI	96720	School (k-12)		Public School
Ke Kula Nawahiokalaniopuu Iki	DOE	16-120 Opukahaia Street, Suite 2	Kea`au	HI	96749	School (k-12)		Public School
Ke Kula Niihau Kekaha PCS	DOE	8135 Kekaha Road	Kekaha	HI	96752	School (k-12)		Public School
Ke Kula o Ehunuiakaimalino	DOE	81-1041 Konawaena School Rd	Kealahou	HI	96750	School (k-12)		Public School
Ke Kula O Kamakau Lab PCS	DOE	45-037 Kane`ohe Bay Drive	Kane`ohe	HI	96744	School (k-12)		Public School
Keaau El	DOE	16-680 Keaau-Pahoia Road	Kea`au	HI	96749	School (k-12)		Public School
Keaau High	DOE	16-725 Keaau-Pahoia Road	Kea`au	HI	96749	School (k-12)		Public School
Keaau Middle	DOE	16-565 Keaau-Pahoia Road	Kea`au	HI	96749	School (k-12)		Public School
Kealahou El	DOE	74-5118 Kealahou	Kailua-Kona	HI	96740	School (k-12)		Public School
Kealahou High	DOE	74-5000 Puohuluhuli Street	Kailua-Kona	HI	96740	School (k-12)		Public School
Kealahou Int	DOE	74-5062 Onipa'a Street	Kailua-Kona	HI	96740	School (k-12)		Public School
Keanae El	DOE	PO Box 128	Hana	HI	96713	School (k-12)		Public School
Keaukaha El	DOE	240 Desha Avenue	Hilo	HI	96720	School (k-12)		Public School
Kekaha El	DOE	8140 Kekaha Road	Kekaha	HI	96752	School (k-12)		Public School
Kekaulike High	DOE	121 Kula Highway	Pukalani	HI	96768	School (k-12)		Public School
Keolu El	DOE	1416 Keolu Drive	Kailua	HI	96734	School (k-12)		Public School
Keonepoko El	DOE	15-890 Kahakai Blvd.	Pahoia	HI	96778	School (k-12)		Public School
Keoneula El	DOE	91-970 Kaileolea Drive	Ewa Beach	HI	96706	School (k-12)		Public School
Kihei El	DOE	250 E. Lipoa Street	Kihei	HI	96753	School (k-12)		Public School
Kihei PC High School	DOE	300 Ohukai Road Suite 209	Kihei	HI	96753	School (k-12)		Public School
Kilauea El	DOE	2440 Kolo Rd.	Kilauea	HI	96754	School (k-12)		Public School
Kilohana El	DOE	HC 01, Box 334	Kaunakakai	HI	96748	School (k-12)		Public School
King Int	DOE	46-155 Kamehameha Highway	Kaneohe	HI	96744	School (k-12)		Public School

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Kipapa El	DOE	95-076 Kipapa Drive	Mililani	HI	96789	School (k-12)		Public School
Kohala El	DOE	54-3609 Akoni Pule Highway	Kapaau	HI	96755	School (k-12)		Public School
Kohala High	DOE	54-3611 Akoni Pule Highway	Kapaau	HI	96755	School (k-12)		Public School
Kohala Middle	DOE	54-4155 Akoni Pule Hwy	Kapaau	HI	96755	School (k-12)		Public School
Koko Head El	DOE	189 Lunalilo Home Road	Honolulu	HI	96825	School (k-12)		Public School
Koloa El	DOE	3223 Poipu Road	Koloa	HI	96756	School (k-12)		Public School
Kona Community	DOE	74-5000 Puohuluhuli Street	Kailua-Kona	HI	96740	School (k-12)		Public School
Kona Pacific PCS	DOE	P.O. Box 115	Kealahakua	HI	96750	School (k-12)		Public School
Konawaena El	DOE	81-901 Onouli Road	Kealahakua	HI	96750	School (k-12)		Public School
Konawaena High	DOE	81-1043 Konawaena School Road	Kealahakua	HI	96750	School (k-12)		Public School
Konawaena Middle	DOE	81-1045 Konawaena School Road	Kealahakua	HI	96750	School (k-12)		Public School
Kua O Ka La PCS	DOE	14-5322 Kaimu/Kapoho Road	Pahoa	HI	96778	School (k-12)		Public School
Kualapuu El NCPCS	DOE	260 Farrington Avenue	Kualapuu	HI	96757	School (k-12)		Public School
Kuhio El	DOE	2759 S. King Street	Honolulu	HI	96826	School (k-12)		Public School
Kula Aupuni Ni'ihau A Kahelelar	DOE	8315 Kekaha Road	Makaweli	HI	96769	School (k-12)		Public School
Kula El	DOE	5000 Kula Highway	Kula	HI	96790	School (k-12)		Public School
Lahaina Int	DOE	871 Lahainaluna Road	Lahaina	HI	96761	School (k-12)		Public School
Lahainaluna High	DOE	980 Lahainaluna Road	Lahaina	HI	96761	School (k-12)		Public School
Laie El	DOE	55-109 Kulanui Street	Laie	HI	96762	School (k-12)		Public School
Lanai High & El	DOE	555 Frasier Ave	Lanai City	HI	96763	School (k-12)		Public School
Lanakila El	DOE	717 North Kuakini Street	Honolulu	HI	96817	School (k-12)		Public School
Lanikai El PCS	DOE	140 Alala Road	Kailua	HI	96734	School (k-12)		Public School
Laupahoehoe High & El	DOE	35-2065 Old Mamalahoa Highway	Laupahoehoe	HI	96764	School (k-12)		Public School
Lehua El	DOE	791 Lehua Avenue	Pearl City	HI	96782	School (k-12)		Public School
Leihoku El	DOE	86-285 Leihoku Street	Waianae	HI	96792	School (k-12)		Public School
Leilehua High	DOE	1515 California Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Lihikai El	DOE	335 S. Papa Avenue	Kahului	HI	96732	School (k-12)		Public School
Liholiho El	DOE	3430 Maunaloa Avenue	Honolulu	HI	96816	School (k-12)		Public School
Likelike El	DOE	1618 Palama Street	Honolulu	HI	96817	School (k-12)		Public School
Liliuokalani Building	DOE	1390 Miller Street	Honolulu	HI	96813	School (k-12)		Public School
Liliuokalani El	DOE	3633 Waialae Avenue	Honolulu	HI	96816	School (k-12)		Public School
Linapuni El	DOE	1434 Linapuni Street	Honolulu	HI	96819	School (k-12)		Public School
Lincoln El	DOE	615 Auwaiolimu Street	Honolulu	HI	96813	School (k-12)		Public School
Lokelani Int	DOE	1401 Liloa Drive	Kihei	HI	96753	School (k-12)		Public School
Lunalilo El	DOE	810 Pumehana Street	Honolulu	HI	96826	School (k-12)		Public School
Maemae El	DOE	319 Wyllye Street	Honolulu	HI	96817	School (k-12)		Public School
Maili El	DOE	87-360 Kula'aupuni Street	Waianae	HI	96792	School (k-12)		Public School
Makaha El	DOE	84-200 Ala Naauao Place	Waianae	HI	96792	School (k-12)		Public School
Makakilo El	DOE	92-675 Anipeahi Street	Kapolei	HI	96707	School (k-12)		Public School
Makalapa El	DOE	4435 Salt Lake Blvd.	Honolulu	HI	96818	School (k-12)		Public School
Makawao El	DOE	3542 Baldwin Avenue	Makawao	HI	96768	School (k-12)		Public School
Manana El	DOE	1147 Kumano Street	Pearl City	HI	96782	School (k-12)		Public School
Manoa El	DOE	3155 Manoa Road	Honolulu	HI	96822	School (k-12)		Public School
Maui Community	DOE	179 Kaahumanu Avenue	Kahului	HI	96732	School (k-12)		Public School
Maui High	DOE	660 S. Lono Avenue	Kahului	HI	96732	School (k-12)		Public School
Maui Waena Int	DOE	795 Onehee Street	Kahului	HI	96732	School (k-12)		Public School
Mauka Lani El	DOE	92-1300 Panana Street	Kapolei	HI	96707	School (k-12)		Public School
Maunaloa El	DOE	128 Maunaloa Road	Maunaloa	HI	96770	School (k-12)		Public School
Maunawili El	DOE	1465 Ulupii Street	Kailua	HI	96734	School (k-12)		Public School
McKinley Community	DOE	634 Pensacola Street	Honolulu	HI	96814	School (k-12)		Public School
McKinley High	DOE	1039 S. King Street	Honolulu	HI	96814	School (k-12)		Public School
Mililani High	DOE	95-1200 Meheula Parkway	Mililani	HI	96789	School (k-12)		Public School

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Mililani Ike El	DOE	95-1330 Lehiwa Drive	Mililani	HI	96789	School (k-12)		Public School
Mililani Mauka El	DOE	95-1111 Makaikai Street	Mililani	HI	96789	School (k-12)		Public School
Mililani Middle	DOE	95-1140 Lehiwa Drive	Mililani	HI	96789	School (k-12)		Public School
Mililani Uka El	DOE	94-380 Kuaahelani Avenue	Mililani	HI	96789	School (k-12)		Public School
Mililani Waena El	DOE	95-502 Kipapa Drive	Mililani	HI	96789	School (k-12)		Public School
Moanalua El	DOE	1337 Mahiole Street	Honolulu	HI	96819	School (k-12)		Public School
Moanalua High	DOE	2825 Ala Ilima Street	Honolulu	HI	96818	School (k-12)		Public School
Moanalua Middle	DOE	1289 Mahiole Street	Honolulu	HI	96819	School (k-12)		Public School
Moanalua/Aiea Community	DOE	2825-A Ala Ilima Street	Honolulu	HI	96818	School (k-12)		Public School
Mokapu El	DOE	1193 Mokapu Road	Kailua	HI	96734	School (k-12)		Public School
Mokulele El	DOE	250 Aupaka Street	Honolulu	HI	96818	School (k-12)		Public School
Molokai High	DOE	2140 Farrington Ave	Hoolehua	HI	96729	School (k-12)		Public School
Molokai Int	DOE	2175 Lihī Pali Avenue	Hoolehua	HI	96729	School (k-12)		Public School
Momilani El	DOE	2130 Ho'okiekie Street	Pearl City	HI	96782	School (k-12)		Public School
Mountain View El	DOE	18-1235 Volcano Highway	Mountain View	HI	96771	School (k-12)		Public School
Myron Thompson Acad NCPCS	DOE	629 Pohukaina Street Suite 3	Honolulu	HI	96813	School (k-12)		Public School
Naalehu El & Int	DOE	95-5547 Mamalahoa Hwy	Naalehu	HI	96772	School (k-12)		Public School
Nahienaena El	DOE	816 Niheu Street	Lahaina	HI	96761	School (k-12)		Public School
Nanaikapono El	DOE	89-153 Mano Avenue	Waianae	HI	96792	School (k-12)		Public School
Nanakuli El	DOE	89-778 Haleakala Avenue	Waianae	HI	96792	School (k-12)		Public School
Nanakuli High & Int	DOE	89-980 Nanakuli Avenue	Waianae	HI	96792	School (k-12)		Public School
Nimitz El	DOE	520 Main Street	Honolulu	HI	96818	School (k-12)		Public School
Niu Valley Middle	DOE	310 Halemaumau Street	Honolulu	HI	96821	School (k-12)		Public School
Noelani El	DOE	2655 Woodlawn Drive	Honolulu	HI	96822	School (k-12)		Public School
Nuuuanu El	DOE	3055 Puiwa Lane	Honolulu	HI	96817	School (k-12)		Public School
Olomana	DOE	42-522 Kalaniana'ole Hwy	Kailua	HI	96734	School (k-12)		Public School
Paauiilo El & Int	DOE	43-1497 Old Main Road	Paauiilo	HI	96776	School (k-12)		Public School
Pahoa El	DOE	15-3030 Puna Road	Pahoa	HI	96778	School (k-12)		Public School
Pahoa High & Int	DOE	15-3038 Puna Road	Pahoa	HI	96778	School (k-12)		Public School
Paia El	DOE	955 Baldwin Avenue	Paia	HI	96779	School (k-12)		Public School
Palisades El	DOE	2306 Auhuhu Street	Pearl City	HI	96782	School (k-12)		Public School
Palolo El	DOE	2106 10th Avenue	Honolulu	HI	96816	School (k-12)		Public School
Parker El	DOE	45-259 Waikalua Road	Kaneohe	HI	96744	School (k-12)		Public School
Pauoa El	DOE	2301 Pauoa Road	Honolulu	HI	96813	School (k-12)		Public School
Pearl City El	DOE	1090 Waimano Home Road	Pearl City	HI	96782	School (k-12)		Public School
Pearl City High	DOE	2100 Hookiekie Street	Pearl City	HI	96782	School (k-12)		Public School
Pearl City Highlands El	DOE	1419 Waimano Home Road	Pearl City	HI	96782	School (k-12)		Public School
Pearl Harbor El	DOE	1 Moanalua Ridge	Honolulu	HI	96818	School (k-12)		Public School
Pearl Harbor Kai El	DOE	1 C Avenue	Honolulu	HI	96818	School (k-12)		Public School
Pearl Ridge El	DOE	98-940 Moanalua Road	Aiea	HI	96701	School (k-12)		Public School
Pohakea El	DOE	91-750 Ft. Weaver Road	Ewa Beach	HI	96706	School (k-12)		Public School
Pomaikai El	DOE	4650 S. Kamehameha Avenue	Kahului	HI	96732	School (k-12)		Public School
Pope El	DOE	41-133 Huli Street	Waimanalo	HI	96795	School (k-12)		Public School
Pukalani El	DOE	2945 Iolani Street	Pukalani	HI	96768	School (k-12)		Public School
Puohala El	DOE	45-233 Kulauli Street	Kaneohe	HI	96744	School (k-12)		Public School
Puuhale El	DOE	345 Puuhale Road	Honolulu	HI	96819	School (k-12)		Public School
Radford High	DOE	4361 Salt Lake Boulevard	Honolulu	HI	96818	School (k-12)		Public School
Red Hill El	DOE	1265 Ala Kula Place	Honolulu	HI	96819	School (k-12)		Public School
Roosevelt High	DOE	1120 Nehoa Street	Honolulu	HI	96822	School (k-12)		Public School
Royal El	DOE	1519 Queen Emma Street	Honolulu	HI	96813	School (k-12)		Public School
Salt Lake El	DOE	1131 Ala Lilikoi Street	Honolulu	HI	96818	School (k-12)		Public School
Scott El	DOE	98-1230 Moanalua Road	Aiea	HI	96701	School (k-12)		Public School

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Shafter El	DOE	2 Fort Shafter	Honolulu	HI	96819	School (k-12)		Public School
Solomon El	DOE	1 Schofield Barracks	Wahiawa	HI	96786	School (k-12)		Public School
Stevenson Middle	DOE	1202 Prospect Street	Honolulu	HI	96822	School (k-12)		Public School
Sunset Beach El	DOE	59-360 Kamehameha Highway	Haleiwa	HI	96712	School (k-12)		Public School
Volcano Sch Art/Sci PCS	DOE	99-128 Old Volcano Road	Volcano	HI	96785	School (k-12)		Public School
Voyager PCS	DOE	670 Auahi Street, Suite A-5	Honolulu	HI	96813	School (k-12)		Public School
Wahiawa Community	DOE	1515 California Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Wahiawa El	DOE	1402 Glen Avenue	Wahiawa	HI	96786	School (k-12)		Public School
Wahiawa Middle	DOE	275 Rose Street	Wahiawa	HI	96786	School (k-12)		Public School
Waiahole El	DOE	48-215 Waiahole Valley Road	Kaneohe	HI	96744	School (k-12)		Public School
Waiakea El	DOE	180 W. Puainako Street	Hilo	HI	96720	School (k-12)		Public School
Waiakea High	DOE	155 W. Kawili Street	Hilo	HI	96720	School (k-12)		Public School
Waiakea Int	DOE	200 W. Puainako Street	Hilo	HI	96720	School (k-12)		Public School
Waiakeawaena El	DOE	2420 Kilauea Avenue	Hilo	HI	96720	School (k-12)		Public School
Waialae El PCS	DOE	1045 19th Avenue	Honolulu	HI	96816	School (k-12)		Public School
Waialua El	DOE	67-020 Waialua Beach Road	Waialua	HI	96791	School (k-12)		Public School
Waialua High & Int	DOE	67-160 Farrington Highway	Waialua	HI	96791	School (k-12)		Public School
Waianae El	DOE	85-220 McArthur Street	Waianae	HI	96792	School (k-12)		Public School
Waianae High	DOE	85-251 Farrington Highway	Waianae	HI	96792	School (k-12)		Public School
Waianae Int	DOE	85-626 Farrington Highway	Waianae	HI	96792	School (k-12)		Public School
Waiau El	DOE	98-450 Hookanike Street	Pearl City	HI	96782	School (k-12)		Public School
Waihee El	DOE	2125 Kahekili Highway	Wailuku	HI	96793	School (k-12)		Public School
Waikale El	DOE	94-1035 Kukula Street	Waipahu	HI	96797	School (k-12)		Public School
Waikiki El	DOE	3710 Leahi Avenue	Honolulu	HI	96815	School (k-12)		Public School
Waikoloa El	DOE	68-1730 Ho'oko Street	Waikoloa	HI	96738	School (k-12)		Public School
Wailuku El	DOE	355 S. High Street	Wailuku	HI	96793	School (k-12)		Public School
Waimalu El	DOE	98-825 Moanalua Road	Aiea	HI	96701	School (k-12)		Public School
Waimanalo El & Int	DOE	41-1330 Kalaniana'ole Highway	Waimanalo	HI	96795	School (k-12)		Public School
Waimea Canyon Middle	DOE	9555 Huakai St	Waimea	HI	96796	School (k-12)		Public School
Waimea El	DOE	67-1225 Mamalahoa Highway	Kamuela	HI	96743	School (k-12)		Public School
Waimea High	DOE	9707 Tsuchiya Road	Waimea	HI	96796	School (k-12)		Public School
Waimea Middle PCCS	DOE	67-1229 Mamalahoa Hwy	Kamuela	HI	96743	School (k-12)		Public School
Waipahu Community	DOE	94-1211 Farrington Highway	Waipahu	HI	96797	School (k-12)		Public School
Waipahu El	DOE	94-465 Waipahu Street	Waipahu	HI	96797	School (k-12)		Public School
Waipahu High	DOE	94-1211 Farrington Highway	Waipahu	HI	96767	School (k-12)		Public School
Waipahu Int	DOE	94-445 Farrington Highway	Waipahu	HI	96797	School (k-12)		Public School
Washington Middle	DOE	1633 S. King Street	Honolulu	HI	96826	School (k-12)		Public School
Waters of Life NCPCS	DOE	17-715 Ala Loop	Kurtistown	HI	96760	School (k-12)		Public School
Webbing El	DOE	99-370 Paihi Street	Aiea	HI	96701	School (k-12)		Public School
West Hawaii District Office	DOE	74-5565 Luhia St.	Kailua-Kona	HI	96740	School (k-12)		Public School
West Hawaii Explorations PCS	DOE	73-4460 Queen Ka'ahumanu Highw	Kailua-Kona	HI	96740	School (k-12)		Public School
Wheeler El	DOE	1 Wheeler Army Airfield	Wahiawa	HI	96786	School (k-12)		Public School
Wheeler Middle	DOE	2 Wheeler Army Airfield	Wahiawa	HI	96786	School (k-12)		Public School
Wilcox El	DOE	4319 Hardy Street	Lihue	HI	96766	School (k-12)		Public School
Wilson El	DOE	4945 Kilauea Avenue	Honolulu	HI	96816	School (k-12)		Public School
Windward District Office	DOE	46-169 Kamehameha Hwy	Kaneohe	HI	96744	School (k-12)		Public School
Windward School For Adults	DOE	730 Iliaina Street	Kailua	HI	96734	School (k-12)		Public School
Aiea Library	HSPLS	99-143 Moanalua Rd.	Aiea	HI	96701	Library		Public Library
Aina Haina Library	HSPLS	5246 Kalaniana'ole Hwy.	Honolulu	HI	96821	Library		Public Library
Bond Memorial Library	HSPLS	54-3903 Akoni Pule Highway	Kapaau	HI	96755	Library		Public Library
Ewa Beach Library	HSPLS	91-950 North Road	Ewa Beach	HI	96706	Library		Public Library
Hana Library	HSPLS	4111 Hana Highway	Hana	HI	96713	Library		Public Library (colo w/ Hana School)



Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Hanapepe Library	HSPLS	4490 Kona Road	Hanapepe	HI	96716	Library		Public Library
Hawaii Kai Library	HSPLS	249 Lunalilo Home Road	Honolulu	HI	96825	Library		Public Library
Hawaii State Library	HSPLS	478 S. King St	Honolulu	HI	96813	Library		Public Library
Hilo Library	HSPLS	300 Waiuanuenue Ave	Hilo	HI	96720	Library		Public Library
Holualoa Library	HSPLS	76-5936 Mamalahoa Hwy	Holualoa	HI	96725	Library		Public Library
Honokaa Library	HSPLS	45-3380 Mamane Street Bldg #3	Honokaa	HI	96727	Library		Public Library
Kahuku Library	HSPLS	56-490 Kamehameha Hwy.	Kahuku	HI	96731	Library		Public Library (colo w/ Kahuku HS)
Kahului Library	HSPLS	90 School St.	Kahului	HI	96732	Library		Public Library
Kailua Library	HSPLS	239 Kuulei Road	Kailua	HI	96734	Library		Public Library
Kailua - Kona Library	HSPLS	75-138 Hualalai Rd.	Kailua-Kona	HI	96740	Library		Public Library
Kaimuki Library	HSPLS	1041 Koko Head Ave.	Honolulu	HI	96816	Library		Public Library
Kalihi - Palama Library	HSPLS	1325 Kalihi Street	Honolulu	HI	96819	Library		Public Library
Kaneohe Library	HSPLS	45-829 Kamehameha Hwy.	Kaneohe	HI	96744	Library		Public Library
Kapaa Library	HSPLS	1464 Kuhio Highway	Kapaa	HI	96746	Library		Public Library
Kapolei Library	HSPLS	1020 Manawai Street	Kapolei	HI	96707	Library		Public Library
Keaau Library	HSPLS	16-571 Keaau-Pahoa Rd.	Keaau	HI	96749	Library		Public Library
Kealakekua Library	HSPLS	P.O. Box 768	Kealakekua	HI	96750	Library		Public Library
Kihei Library	HSPLS	35 Waimahaihai St.	Kihei	HI	96753	Library		Public Library
Koloa Library	HSPLS	3451 Poipu Road	Koloa	HI	96756	Library		Public Library
Lahaina Library	HSPLS	680 Wharf St.	Lahaina	HI	96761	Library		Public Library
Lanai Library	HSPLS	P.O.Box 630550	Lanai City	HI	96763	Library		Public Library
Laupahoehoe Library	HSPLS	35-2065 Old Mamalahoa Highway	Laupahoehoe	HI	96764	Library		Public Library
LBPH Library	HSPLS	402 Kapahulu Ave.	Honolulu	HI	96815	Library		Public Library
Lihue Library	HSPLS	4344 Hardy St.	Lihue	HI	96766	Library		Public Library
Liliha Library	HSPLS	1515 Liliha St.	Honolulu	HI	96817	Library		Public Library
Makawao Library	HSPLS	1159 Makawao Ave.	Makawao	HI	96768	Library		Public Library
Manoa Library	HSPLS	2716 Woodlawn Drive	Honolulu	HI	96822	Library		Public Library
McCully - Moiliili Library	HSPLS	2211 S. King St.	Honolulu	HI	96826	Library		Public Library
Mililani Library	HSPLS	95-450 Makaimoimo St.	Mililani	HI	96789	Library		Public Library
Molokai Library	HSPLS	15 Ala Malama	Kaunakakai	HI	96748	Library		Public Library
Mt. View Library	HSPLS	1235 Volcano Highway	Mountain View	HI	96771	Library		Public Library
Naalehu Library	HSPLS	95-5669 Mamalahoa Highway	Naalehu	HI	96772	Library		Public Library
Pahala Library	HSPLS	96-315 Pikake St.	Pahala	HI	96777	Library		Public Library
Pahoa Library	HSPLS	15-3070 Pahoa-Kalapana Rd.	Pahoa	HI	96778	Library		Public Library
Pearl City Library	HSPLS	1138 Waimano Home Rd.	Pearl City	HI	96782	Library		Public Library
Princeville Library	HSPLS	4343 Emmalani Drive	Princeville	HI	96722	Library		Public Library
Salt Lake Library	HSPLS	3225 Salt Lake Blvd.	Honolulu	HI	96818	Library		Public Library
Thelma Parker Library	HSPLS	67-1209 Mamalahoa Hwy.	Kamuela	HI	96743	Library		Public Library
Wahiawa Library	HSPLS	820 California Ave.	Wahiawa	HI	96786	Library		Public Library
Waialua Library	HSPLS	67-068 Kealohanui St.	Waialua	HI	96791	Library		Public Library
Waianae Library	HSPLS	85-625 Farrington Hwy.	Waianae	HI	96792	Library		Public Library
Waikiki - Kapahulu Library	HSPLS	400 Kapahulu Ave.	Honolulu	HI	96815	Library		Public Library
Wailuku Library	HSPLS	251 High St.	Wailuku	HI	96793	Library		Public Library
Waimanalo Library	HSPLS	41-1320 Kalaniana'ole Hwy.	Waimanalo	HI	96795	Library		Public Library
Waimea Library	HSPLS	9750 Kaumali Highway	Waimea	HI	96796	Library		Public Library
Waipahu Library	HSPLS	94-275 Mokuola St.	Waipahu	HI	96797	Library		Public Library
DRFortress	UH	3375 Koapaka Street Suite D198	Honolulu	HI	96819	Other Community Support Organization		University/State Site
Hale Pohaku / Onizuka Center for	UH	Mauna Kea Access Road	Hilo	HI	96720	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
Haleakala	UH	Haleakala National Park	Kula	HI	96790	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
Hana Ed Center	UH	5101 Uakea	Hana	HI	96713	Community College	Native Hawaiian Serving Institution	University/State Site
Hawaii Community College	UH	1175 Manono St.	Hilo	HI	96720	Community College	Native Hawaiian Serving Institution	University/State Site
Hawaiian Studies	UH	2645 Dole St.	Honolulu	HI	96822	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
Hilo Innovation Center	UH	117 Keawe St.	Hilo	HI	96720	Other Government Facility		University/State Site
Honolulu CC	UH	874 Dillingham Blvd.	Honolulu	HI	96817	Community College	Native Hawaiian Serving Institution	University/State Site
Institute for Astronomy	UH	2680 Woodlawn Drive	Honolulu	HI	96822	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
Institute for Astronomy Kula (A) UH		34 Ohia Ku Street	Kula	HI	96790	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
John A Burns School of Medicine	UH	651 Ilalo St.	Honolulu	HI	96813	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
Kalaeloa Hanger 111	UH	Midway Street	Kapolei	HI	96707	Community College	Native Hawaiian Serving Institution	University/State Site
Kalanimoku Building	UH	1151 Punchbowl Street	Honolulu	HI	96813	Other Government Facility		University/State Site
Kapiolani Community College	UH	4303 Diamond Head Road	Honolulu	HI	96816	Community College	Native Hawaiian Serving Institution	University/State Site
Kau Rural Health Center	UH	96-3126 Pauhala	Pahala	HI	96777	Other Community Support Organization		University/State Site
Kauai Community College	UH	3-1901 Kaunualii Highway	Lihue	HI	96766	Community College	Native Hawaiian Serving Institution	University/State Site
King Intermediate	UH	46-155 Kamehameha Highway	Kaneohe	HI	96744	School (K-12)		University/State Site
Kohala Center Conference Room	UH	1291-A Kawaihae Rd.	Kamuela	HI	96743	Other Community Support Organization		University/State Site
Lanai Ed. Center	UH	329 7th Street	Lanai City	HI	96763	Community College	Native Hawaiian Serving Institution	University/State Site
Leeward Community College	UH	96-045 Ala Ike St.	Pearl City	HI	96782	Community College	Native Hawaiian Serving Institution	University/State Site
Leeward Community College - V	UH	86-088 Farrington Hwy #201	Waianae	HI	96792	Community College	Native Hawaiian Serving Institution	University/State Site
Lyon Arboretum	UH	3860 Manoa Road	Honolulu	HI	96822	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
Manoa Innovation Center	UH	2800 Woodlawn Drive	Honolulu	HI	96822	Other Government Facility		University/State Site
Maui Community College	UH	310 Kaahumanu Ave.	Kahului	HI	96732	Community College	Native Hawaiian Serving Institution	University/State Site
Maui Community College - Laha	UH	60 Kenui St.	Lahaina	HI	96761	Community College	Native Hawaiian Serving Institution	University/State Site
Maui Research and Technology	UH	590 Lipoa Parkway	Kihei	HI	96753	Other Government Facility		University/State Site
Molokai Ed Center	UH	375 Kamehameha V Hwy	Kaunakakai	HI	96748	Community College	Native Hawaiian Serving Institution	University/State Site
North Hawaii Research Education	UH	45-539 plumeria St.	Honokaa	HI	96727	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
UH Center West Hawaii	UH	81-964 Halekii St.	Kealahou	HI	96750	Community College	Native Hawaiian Serving Institution	University/State Site
UH Hilo	UH	200 West Kawili Street	Hilo	HI	96720	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
UH Manoa	UH	2565 McCarthy Mall	Honolulu	HI	96822	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
UH Queens Tower	UH	1356 Lusitana St.	Honolulu	HI	96813	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site
University of Hawaii West Oahu	UH	96-129 Ala Ike	Pearl City	HI	96782	Other Institution of Higher Education	Native Hawaiian Serving Institution	University/State Site







# **Comprehensive Community Infrastructure** **Budget Narrative Template**

**Applicant Name: University of Hawaii**

**EasyGrants Number: 5786**

**Organization Type: State or State Agency**

**Proposed Period of Performance: 3 year**

**Total Project Costs: \$ 42,466,000**

**Total Federal Grant Request: \$ 33,972,800**

**Total Matching Funds (Cash): \$ 8,493,200**

**Total Matching Funds (In-Kind): \$ 0**

**Total Matching Funds (Cash + In-Kind): \$ 8,493,200**

**Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: % 20.00**

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## **1. Administrative and legal expenses - \$0.00**

- Provide a breakout of position(s), time commitment(s) such as hours or level-of-effort, and salary information/rates with a detailed explanation, and additional information as needed.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

## **2. Land, structure, rights-of-way, appraisals, etc. - \$0.00**

- Provide description of estimated costs, proposed activities, and additional information as needed.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.



- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

### **3. Relocation expenses and payment - \$0.00**

- Provide explanation for the relocation, description of the person involved in the relocation, method used to calculate costs, and additional information as needed.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

### **4. Architectural and engineering fees - \$0.00**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

### **5. Other architectural and engineering fees - \$0.00**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.

- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

### **6. Project inspection fees - \$0.00**



- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.
- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.
- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

## **7. Site work - \$0.00**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.
- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.
- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

## **8. Demolition and removal - \$0.00**

- Provide description of estimated fees, rates, explanation of proposed services, and additional information as needed.
- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.
- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

## **9. Construction - \$0.00**



- Provide description of estimated fees, rates, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.
- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.
- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

**10. Equipment - \$14,738,000**

- Provide a list of equipment in the form of a table with description, number of units, unit cost, state whether it is being purchased or leased, and additional information as needed.

Equipment	Unit Cost	Units	Term	Total Cost
Switches	\$16,666.66	6	Purchased	\$100,000
Routers	\$13,000	388	Purchased	\$5,044,000
WDM Equipment	\$18,000	388	Purchased	\$6,984,000
UPS	\$2,500	388	Purchased	\$970,000
Video Equipment	\$65,600	25	Purchased	\$1,640,000
<b>TOTAL:</b>				<b>\$14,738,000</b>

**\$100,000** of this category is estimated for Ethernet switches at the Interisland aggregation points – these switches will enable the ability to carry DOE, HSPLS and UH traffic over the shared 10Gbps Interisland ethernet circuits while maintaing traffic separation.

**\$5,044,000** of this category is estimated for routers for each site location on the network. The routers will perform the redundancy function around the ring at the Layer-3 level and segment the network into manageable segments.

**\$6,984,000** of this category is estimated for Wave Division Multiplexors for each site location on thenetwork. The WDM equipment allows mutiple traffic streams to be sent across the same pair of fiber independently of each other. Both DWDM and CWDM technologies will be used, depending on the engineering requirements of the segments.

**\$970,000** of this category is estimated for Uninterruptable Power Supplies (UPS) to provide backup power for all the network equipment at all sites.

**\$1,640,000** of this category is estimated for the Distance Education video equipment for community colleges and other higher educational institutions and community centers to provide classes and interaction between their primary campuses and education centers across the state.





**- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.**

Matching funds for this category comes from the Hawaii State Public Library System (\$823,200). Total matching funds for this category is \$823,200.

**- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.**

**11. Miscellaneous - \$27,728,000**

**- Provide additional information as needed.**

Item	Unit Cost	Units	Term	Total Cost
Fiber Buildout		388	Purchased	
Oceanic Interisland		6	Purchased	
Wavecom Interisland		2	Leased	
<b>Total</b>				

\_\_\_\_\_ of this category is estimated for buildout of the fiber network on all islands as part of the Oceanic Cable Franchise agreement. Specifically, approximately \_\_\_\_\_ is the cost to connect all 388 sites to the backbone trunk on all islands. Approximately \_\_\_\_\_ is new trunk cabling on Oahu to supplement the existing runs to add fiber where the paths are too congested for additional pairs and approximately \_\_\_\_\_ is for new fiber runs to Hana, Maui; Haleakala, Maui; and the Saddle Road on the Big Island of Hawaii – these locations do not currently have trunk fiber to their locations.

\_\_\_\_\_ of this category is estimated for 6 10Gbps Ethernet circuits connecting the 4 major Hawaiian Islands from Oceanic Time Warner Cable.

\_\_\_\_\_ of this category is estimated for 2 10Gbps Ethernet circuits connecting Lanai and Molokai to Oahu. This represents the initial buildout and new fiber runs to the University sites on Lanai and Molokai.



**- Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.**

Matching funds for this category consists of \$3,670,000 in University of Hawaii Extramural funds and \$4,000,000 from the Department of Commerce and Consumer Affairs Cable Television Division. Total matching funds for this category is \$7,670,000.00.

**- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.**

**13. Contingencies - \$0**

**- Contingencies are an unallowable expenditures under BTOP.**

**15. Project (program) income - \$0**

**- The value for this line-item on the SF-424C is \$0. Please do not provide an estimated Project (program income) on the SF-424C.**



**Addendum**

**- Very few indirect costs are allowable through BTOP. If any allowable indirect costs and/or fringe benefits are included in the budget, please provide a copy of your existing Negotiated Indirect Cost Recovery Agreement (NICRA), if available. If the NICRA is applied accordingly in the budget, there is no need to justify the costs. If a NICRA is not available or is not consistent with the rates/calculations in the budget, please provide an explanation of how the amounts were calculated. Please clearly list the manner in which indirect costs are calculated in the budget.**

**Note: Verify that indirects are calculated correctly and are eligible BTOP costs. To clarify, reasonable indirect costs under BTOP are only allowable for Full Time Employees (FTEs) associated with the construction, deployment, or installation of facilities or equipment used to provide broadband service.**

**#. Example Budget Narrative - \$724,134 (Confirm to SF-424C)**

**\$100,000** of this category is estimated for legal expenses for contract reviews based on the average legal cost of (\$4) per mile for 25,000 miles.

**\$134** of this category is estimated for legal court filings.

**\$624,000** of this category is estimated for Project Engineering Staff which consists of a project manager and two (2) network engineers.

Staff	Hours	Years	Rate	Total Cost
Project Manager	2080	3	\$20/hr	\$124,800
Project Engineer	2080	3	\$30/hr	\$187,200
Civil Engineer	2080	3	\$50/hr	\$312,000
<b>TOTAL:</b>				<b>\$624,000</b>



EXECUTIVE CHAMBERS  
HONOLULU

LINDA LINGLE  
GOVERNOR

March 12, 2010

David Lassner, Ph.D.  
Vice President for Information Technology  
and Chief Information Officer  
University of Hawaii  
Bachman Hall  
2444 Dole Street, Room 204  
Honolulu, Hawaii 96822

Dear Dr. Lassner:

My Administration strongly supports the inter-related proposals you are submitting on behalf of the State of Hawaii to the U.S. Department of Commerce for Comprehensive Community Infrastructure and Public Computer Centers.

Broadband is perhaps more important to Hawaii than to any other state. In addition to being the most isolated landmass in the world, Hawaii's island geography separates its citizens from one another and from the services they need to thrive in the 21st century. Linking our communities' anchor institutions as you have proposed, and expanding the capability of all our citizens to benefit from online services in well-connected public computing centers on all islands will result in an immense leap forward for all of us, especially those who have been unable to participate until now.

While our geography separates us, our collaborations unite us. Your work to develop these cornerstone proposals on behalf of Hawaii's public schools, libraries and university system is a model of how we need to work together in these difficult times.

As Hawaii rises to meet the challenges brought about by today's economic conditions, we must adopt innovative approaches to provide the tools necessary to ensure we have a seat at the table in the global economy. Your proposals will play a key role in that regard.

I greatly appreciate the University of Hawaii's leadership and express my personal thanks to you in developing these proposals on behalf of our entire State. I trust that the Department of Commerce will respond favorably to our request.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Lingle".

LINDA LINGLE



UNIVERSITY  
of HAWAII®  
SYSTEM

M.R.C. Greenwood, Ph.D.  
President

March 11, 2010

David Lassner  
Vice President for Information Technology and Chief Information Officer  
University of Hawaii  
2444 Dole Street  
Honolulu, HI 96822

Dear David:

I'd like to express the strong support of the entire University of Hawaii System for the inter-related proposals you are submitting to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure and Public Computing Centers. The University of Hawaii System comprises all public higher education in Hawaii, from community colleges to our flagship research university. Our ten campuses, along with our education centers, provide interlinked gateways of opportunity on six islands for the entire State of Hawaii.

Our unique organizational structure enables us to place a particular emphasis on the use of distance learning to serve people in the most remote locations on all islands -- people who would normally have no access to campus-based education. Our current distance learning network relies on obsolete and incompatible equipment that limits access to educational opportunities. Upgrading our networks and deploying advanced high-definition broadband-based technology will not only improve educational opportunities for Hawaii but will also allow the University to demonstrate to others the transformational impact of broadband throughout the State. High speed networking also enables shared access to information systems and resources to control spiraling costs in these difficult economic times.

Working with our sister institutions, the public schools and public libraries, to advance our broadband infrastructure, improve distance learning and deploy public computers for the underserved will provide a critical safety net for those who have suffered most through the economic downturn and need new skills and abilities to thrive in the 21st century.

Thank you for your leadership in working not only with the entire University but with the Public Libraries and Public Schools to address the needs of the unserved and underserved in all our communities on all islands.

Sincerely,

A handwritten signature in cursive script that reads "M.R.C. Greenwood".

M.R.C. Greenwood

2444 Dole Street, Bachman Hall  
Honolulu, Hawaii 96822  
Telephone: (808) 956-8207  
Fax: (808) 956-5286

Email: [mrcgreenwood@hawaii.edu](mailto:mrcgreenwood@hawaii.edu)

An Equal Opportunity/Affirmative Action Institution



**UNIVERSITY**  
*of HAWAII*<sup>®</sup>  
SYSTEM

**John Morton**  
Vice President for Community Colleges

March 10, 2010

David Lassner  
Vice President for Information Technology and Chief Information Officer  
University of Hawaii  
2444 Dole Street, Bachman 204  
Honolulu, HI 96822

Dear David,

I'd like to express the strong support of the University of Hawai'i Community College System for the inter-related proposals you are submitting on our behalf to the Program for Comprehensive Community Infrastructure and Public Computer Centers.

Our community college campuses and education centers serve students and the public on all islands and are a major source of the workforce development in Hawai'i. We are experiencing dramatic increases in enrollment and student demand. We rely heavily on distance technologies to meet this demand both for reaching remote sites but also to accommodate students' needs to get their education at a time convenient to them. As part of the larger University of Hawai'i System, we are also every island's gateway to a variety of advanced educational opportunities provided by Hawai'i's public universities.

Adequate connectivity, distance learning facilities and public computers are essential elements in our modern mission. As our operating budgets continue to be stressed by today's economic conditions, these stimulus funds are essential for us to make progress in serving the State.

We greatly appreciate your leadership in working together with us to holistically address the needs of the unserved and underserved in all our communities on all islands.

A handwritten signature in black ink, appearing to read "John Morton".

John Morton  
Vice President for Community Colleges

2444 Dole Street, Bachman 207  
Honolulu, Hawai'i 96822  
Telephone: (808) 956-7038  
Fax: (808) 956-5286

An Equal Opportunity/Affirmative Action Institution

LINDA LINGLE  
GOVERNOR



StLib-10-137  
RICHARD BURNS  
STATE LIBRARIAN

STATE OF HAWAII  
HAWAII STATE PUBLIC LIBRARY SYSTEM  
OFFICE OF THE STATE LIBRARIAN  
44 MERCHANT STREET  
HONOLULU, HAWAII 96813

March 11, 2010

Mr. David Lassner  
Vice President for Information Technology  
and Chief Information Officer  
University of Hawaii  
2444 Dole Street  
Honolulu, HI 96822

Dear David,

I'd like to express strong support for the inter-related proposals you are submitting on our behalf to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure and Public Computer Centers.

The Hawaii State Public Library System is a single statewide system for all public libraries on all islands of the State of Hawaii. Our current bandwidth is completely inadequate to meet the needs of the communities we serve, and we desperately need additional computers to serve the public.

In this depressed economy, the citizens of Hawaii need broadband access more than ever to access public services, find jobs, prepare resumes, search for health information -- in short, for full participation in today's 21st century society.

Connecting every public library in Hawaii and providing public access to broadband services on all islands throughout the State is essential for us to fulfill our modern mission. And as our budgets continue to be cut, these stimulus funds are essential for us to achieve this. We are pleased to be able to provide \$823,200 in matching funds from non-Federal sources to make this possible.

We greatly appreciate the University of Hawaii's leadership in working together with us and the Public Schools to address the needs of the unserved and underserved in all our communities on all islands.

Sincerely,

A handwritten signature in cursive script that reads "Richard Burns".

Richard Burns  
State Librarian



STATE OF HAWAII  
DEPARTMENT OF EDUCATION  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

March 11, 2010

Dr. David Lassner  
Vice President for Information Technology  
and Chief Information Officer  
University of Hawaii  
2444 Dole Street  
Honolulu, HI 96822

Dear Dr. Lassner:

I'd like to express our strongest possible support for the proposal you are submitting to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure on behalf of higher and lower public education institutions and libraries in Hawaii.

The Hawaii State Department of Education is a single public school district for the State of Hawaii, with 287 schools and 178,000 students in grades kindergarten through 12. With schools on seven islands, the broadband connection is critical in providing our 21st century learners with optimal educational opportunities and skills through efforts such as expanding on-line learning opportunities. Our neighbor island and rural schools will especially benefit from being able to access educational resources remotely, a crucial factor if we are to achieve our goal of closing the achievement gap and assuring that every child in Hawaii graduates ready to enter the workforce or go on to further education.

The broadband technology proposal will assist school-level administrators in utilizing more robust information systems to share data for decision making and tracking student progress. For example, we are working on creating a state-wide formative assessment process, accessible on-line. The broadband infrastructure will be critical to the success of that effort.

As public servants, we have a mandate to increase transparency and raise accountability in our state government. As educators, we must ensure that we are utilizing our resources wisely in a focused effort on our core mission of educating all children. Broadband infrastructure improvements will also support substantial improvement in our ability to make data driven decisions and be accountable and transparent in our management of our human, financial and facilities resources.

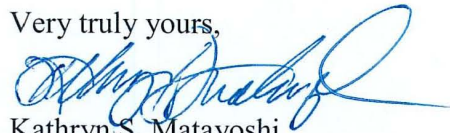


Dr. David Lassner  
March 11, 2010  
Page 2

Finally, this proposal is also a major factor in our overall strategy for education reform under the American Recovery and Reinvestment Act. So much of what we are hoping to accomplish is reliant on the kind of infrastructure outlined in your application.

We greatly appreciate the University of Hawaii's leadership in working together with Hawaii's public schools and libraries to address the needs of our youth and communities statewide.

Very truly yours,



Kathryn S. Matayoshi  
Interim Superintendent

KSM:gm

c: Office of Information Technology Services  
Office of Curriculum, Instruction and Student Support  
Office of School Facilities and Support Services



STATE OF HAWAII  
CABLE TELEVISION DIVISION  
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

335 MERCHANT STREET  
P.O. Box 541  
HONOLULU, HAWAII 96809  
(808) 586-2620  
FAX (808) 586-2625

RONALD BOYER  
ACTING DIRECTOR

CLYDE S. SONOBE  
CABLE TELEVISION ADMINISTRATOR

LINDA LINGLE  
GOVERNOR

JAMES R. AIONA, JR.  
LT. GOVERNOR

March 15, 2010

David Lassner, Ph.D.  
Vice President for Information Technology  
& Chief Information Officer  
University of Hawaii  
Bachman Hall  
2444 Dole Street, Room 204  
Honolulu, HI 96822

Dear Dr. Lassner:

This letter confirms our prior conversations regarding matching funds for the Broadband Technology Opportunity Program proposal you are preparing to submit to NTIA on behalf of the State of Hawaii for Comprehensive Community Infrastructure.

The Cable Television Division of the Department of Commerce and Consumer Affairs will have available \$4M in funding over the next year that we plan to provide as matching funds for this project. This does not include any prior funds allocated to the Institutional Network and no Federal Funds are included in this total.

Thank you again for your work on behalf of advancing broadband in Hawaii.

Sincerely,

CLYDE S. SONOBE  
Cable Television Administrator

c: Ronald Boyer, Acting Director

200 Akamainui Street  
Mililani, Hawaii 96789-3999  
Tel 808-625-2100  
Fax 808-625-5888



March 5, 2010

David Lassner  
Vice President for Information Technology/Chief Information Officer University of  
Hawaii  
2532 Correa Road, Building 37  
Honolulu, HI 96822

Re: Vendor Agreement for Broadband Stimulus Project

Dear David,

Upon award and approval of the proposal submitted by the University of Hawaii, Oceanic Time Warner Cable stands ready to enter into an agreement to complete the tasks identified in the proposal.

Should you have any comments or concerns, I may be reached at 625-8370.

Sincerely,

A handwritten signature in black ink, appearing to read "Lance Uno".

Lance Uno  
Oceanic Time Warner Cable  
Director – OSP Engineering and Construction



March 23, 2010

David Lassner  
Vice President and CIO  
University of Hawaii Systems  
2444 Dole Street, Bachman Hall  
Honolulu, HI 96822

Dear David,

This letter is to provide you with our written quotation for providing the University of Hawaii with 2 10G inter-island wavelengths and the required electronics. The first 10G wavelength will provide a point-to-point connection between the UH Manoa campus and the UH Community College campus on Molokai. The second 10G wavelength will provide a point-to-point connection between the UH Manoa campus and the UH Community College campus on Lanai. This quotation includes the cost to extend our existing terrestrial fiber on the Islands of Molokai and Lanai to the UHCC campus on each island. This quotation also includes the electronics necessary to provide the 10G wavelengths between the UH Manoa campus on Oahu and the UHCC campuses on Molokai and Lanai.

This quotation assumes an average pole replacement of [REDACTED] miles of fiber required to complete the project. The University of Hawaii understands and agrees that if the cost of pole replacements and the associated fees and permits from the ILEC, City and County, and State exceed the amount of our bid, UH will be responsible for paying those additional costs.

Wavecom Solutions will provide the 10G wavelength inter-island connections for the following charges.

One time construction charge - [REDACTED]  
Monthly recurring service charge - [REDACTED]

Please let me know if you have any further questions.

Sincerely,

Ken Hensarling  
Head of Business Development  
Wavecom Solutions

WAVECOM  
FAST FOCUSED FLEXIBLE

## Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile	
Applicant Name	University of Hawaii
Title	Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries
Easygrants ID	5786
Headquarters	<b>Honolulu, HI</b>
Size (2009 Data) of Applicant Entity	<ul style="list-style-type: none"> <li>• Current Year Revenues: 1,495,134,000</li> <li>• Employees: 8900</li> </ul>
Technology Type	<b>Middle Mile – Fiber</b>
Key Partners	<b>State of Hawaii Department of Education, Hawaii State Public Library System, Oceanic Time Warner Cable</b>

Project Economics			
Budget Information		Project Financials	
Project Budget	<b>\$42,466,000</b>	Project Revenues (Yr 8)	<b>\$3,180,943</b>
Federal Contribution (%)	<b>80.00%</b>	Net Income and Margin (Yr 8)	<b>0 (0%)</b>
Cash Match Amount (%)	<b>\$8,493,200</b>	EBITDA and Margin (Yr 8)	<b>\$1,871,143 (58%)</b>
In Kind Match Amount (%)	<b>20.00%</b>	Rate of Return (w/o BTOP Funds)	n/a
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds)	n/a
Middle Mile Percentage (%)	100	Cost Efficiency	
Last Mile Percentage (%)	0	Cost per Mile (MM)	<b>\$42,255</b>
Rural Last Mile Percentage	0	Cost per Household (LM)	<b>n/a</b>

Market Territory	
Geographic Area(s)	<b>State of Hawaii – Oahu, Maui, Molokai, Lanai, Kauai and Big Island</b>
Middle Mile Network Composition	
Total Proposed Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 1005</li> <li>• Backbone Miles: 770</li> <li>• Lateral Miles: 235</li> </ul>
New Construction Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 235</li> <li>• Backbone Miles: 160</li> <li>• Lateral Miles: 75</li> </ul>
Existing Applicant Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 770</li> <li>• Backbone Miles: 610</li> <li>• Lateral Miles: 160</li> </ul>
Leased Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: 0</li> <li>• Backbone Miles: 0</li> <li>• Lateral Miles: 0</li> </ul>
Underserved/Unserved	<ul style="list-style-type: none"> <li>• Percentage of Backbone Miles in Underserved/Unserved Areas: 0</li> <li>• Percentage of Lateral Miles in Underserved/Unserved Areas: 0</li> </ul>

## Comprehensive Community Infrastructure Key Metrics Dashboard

<b>Existing Customer Base</b>	
Existing Residential/Individual Customers within PFSA	<b>1.3 Million</b>
Existing Business Customers within PFSA	<b>0</b>
Existing Community Anchor Institution Customers within PFSA	<ul style="list-style-type: none"> <li>• Total CAI's: 70</li> <li>• Community Colleges: 13</li> <li>• Public Safety Entities: 0</li> </ul>
Existing Third Party Service Provider Customers within PFSA	<b>None</b>
<b>Potential Customer Base</b>	
Market Potential Households (within PFSA)	<ul style="list-style-type: none"> <li>• Total HH's: 403,000</li> <li>• Located in Underserved/Unserved Areas: 0</li> </ul>
Market Potential Businesses (within PFSA)	<ul style="list-style-type: none"> <li>• Total Businesses: 99,000</li> <li>• Located in Underserved/Unserved Areas: 0</li> </ul>
Market Potential Community Anchor Institutions (within PFSA)	<ul style="list-style-type: none"> <li>• Total CAI's: 388</li> <li>• Located in Underserved/Unserved Areas: 0</li> <li>• Community Colleges: 14</li> <li>• Public Safety Entities: 0</li> </ul>
Market Potential Third Party Service Providers (within PFSA)	<ul style="list-style-type: none"> <li>• Total Third Party Service Providers in PFSA: 0</li> <li>• Expressing Commitment or Letter of Interest: 0</li> </ul>
<b>Funded Network Coverage</b>	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Households Connected: <b>0</b></li> <li>• Located in Underserved/Unserved Areas: 0</li> </ul>
Businesses Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Businesses Connected: 0</li> <li>• Located in Underserved/Unserved Areas: <b>0</b></li> </ul>
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Directly Connected CAI's: 388</li> <li>• Located in Underserved/Unserved Areas: 0</li> <li>• Community Colleges: 14</li> <li>• Public Safety Entities: 0</li> </ul>
Projected Subscribers by Year Five	<p><b><u>Directly Served by Applicant</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: 388</li> <li>• Households: 403,000</li> <li>• Businesses: 99,000</li> <li>• Third Party Service Providers: <b>0</b></li> </ul> <p><b><u>Served by Proposed Network Via Third Party Service Provider</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: 0</li> <li>• Households: 0</li> <li>• Businesses: 0</li> </ul>

## Comprehensive Community Infrastructure Key Metrics Dashboard

Other	
Proposed MM Network Capacity	<ul style="list-style-type: none"> <li>• Backbone: 1 pair of dark fiber</li> <li>• Laterals: 1 pair of dark fiber</li> </ul>
Proposed LM Network Speed	<ul style="list-style-type: none"> <li>• Highest offered speed tier:</li> <li>• Estimated Average speed for highest speed tier:</li> </ul>
Total Points of Interconnection	<ul style="list-style-type: none"> <li>• Total Pol's: 3 (major passive wavelength exchanges, existing microwave site). Est 1000+ splice points</li> <li>• Pol's in Underserved/Unserved Areas: 0</li> <li>• Environmentally-controlled, non-passive Pols: 2</li> </ul>
Jobs Created	<ul style="list-style-type: none"> <li>• <b>Direct Job-years: 430</b></li> <li>• <b>Indirect Job-years: 275</b></li> <li>• <b>Induced Job-years: 155</b></li> </ul>
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	<p><b>12 Quarters</b></p>

## **BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template**

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide service of that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should be sure to include details on any services that would be offered at discounted rates to particular classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated end user speeds. Average speeds should be the average sustained actual, non-burst speed that the end user would receive during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop subscriber utilization projections that are consistent with any additional services the applicant plans to offer. For wireless broadband services, this speed should be an average of the speeds available across the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable manner to estimate actual speeds on their network. Applicants should explain the underlying assumptions used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both last mile and middle mile service providers, regardless of whether the applicant proposes to offer both last mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Funded area in which the listed services are available. Please ensure that the Service Area names are consistent with those provided within the application and the Service Areas upload. If the availability of the listed services is limited (*e.g.* the service is only available within part of the Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other upload templates in this application, the data provided via this template will NOT be subject to automated processing. These template worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants are allowed to modify the template layouts in order to provide the most effective presentation of the data for their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that will be difficult to understand. A PDF of this file will be automatically generated upon upload to Easygrants, and the default print settings will be used to format the PDF file.





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## Proposed Last Mile Service Offerings

Name of Service Tier	Advertised Speeds		Estimated Average Speeds		Average Latency	Pricing Plan (\$ per month)	Other Comments/Description/Features or Limitations
	Downstream Mbps	Upstream Mbps	Downstream Mbps	Upstream Mbps	@ End User CPE milliseconds		

**Explanation of Average Speed Calculations:**

No Last Mile Services are part of the proposal

## Proposed Middle Mile Service Offerings

Name of Service Offering	Distance Band or Point to Point	Minimum Peak Load Network Bandwidth Capacity (Mbps)	Monthly/Yearly Pricing (\$)	Other Comments/Description/Features or Limitations
K-12 Public School Connectivity	Point to Point	1000	0	K-12 Public School connectivity will be 1000Mbps between public school nodes on the Department of Education network.
Public Library Connectivity	Point to Point	1000	0	Public Library connectivity will be 1000Mbps between public library nodes on the Library network.
Community College/University/State Technology Center Connectiity	Point to Point	1000/10,000	0	Community College/University/State Technology Center will be either 1000Mbps or 10Gbps between nodes on the Community College/University/State Technology Center network.

## Competitor Data

### Competitor Data - Last Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Downstream Speed	Monthly Pricing	Other Comments/Description/Features or Limitations
Oceanic Time Warner Cable	00-State-of-Hawaii	Cable Modem	RoadRunner 1.5	1.5Mbps	31.95	384kbps upload
			RoadRunner	up to 5Mbps	44.95	up to 1Mbps upload
			RoadRunner Turbo+	up to 15Mbps	79.85	up to 1Mbps upload
HawaiianTel	00-State-of-Hawaii	DSL	1.5Mbps	1.5Mbps	19.99	up to 768kbps upload
			3 Mbps	3Mbps	29.99	up to 768kbps upload
			7 Mbps	7Mbps	39.99	up to 1Mbps upload

### Competitor Data - Middle Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Distance Band or Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
HawaiianTelcom, tw telecom, Wavecom Solutions	00-State-of-Hawaii	Fiber/Ethernet	1Gbps intra-island	point to point	1Gbps	5000/monthly	Avg. Pricing, varies with Distance. Non recurring (i.e. buildout) not included, upwards of 10's of thousands for fiber buildout
			10Gbps Intra-island	point to point	10Gbps	15,000/monthly	Avg. Pricing, varies with Distance. Non recurring (i.e. buildout) not included, upwards of 10's of thousands for fiber buildout
HawaiianTelcom, tw			1Gbps Inter-island	point to point	1Gbps	\$15,000/monthly	Avg. Pricing, varies with Distance. Non recurring (i.e. buildout) not included, upwards of 10's of thousands for fiber buildout

telecom, Wavecom Solutions	00-State-of-Hawaii	Fiber/Ethernet	10Gbps Inter-island	point to point	10Gbps	\$50,000/monthly	Avg. Pricing, varies with Distance. Non recurring (i.e. buildout) not included, upwards of 10's of thousands for fiber buildout.

## CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS AND LOBBYING

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 26, "Governmentwide Debarment and Suspension (Nonprocurement)" and 15 CFR Part 28, "New Restrictions on Lobbying."

### 1. DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION—LOWER TIER COVERED TRANSACTIONS

As required by executive Order 12549, Debarment and Suspension, and implemented at 15 CFR Part 26, Section 26.510, Participants responsibilities, for prospective participants in lower tier covered transactions (except subcontracts for goods or services under the \$25,000 small purchase threshold unless the subtier recipient will have a critical influence on or substantive control over the award), as defined at 15 CF Part 26, Sections 26.105 and 26.110—

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

### 2. LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.


#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

**As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification(s).**

NAME OF APPLICANT  UNIVERSITY OF HAWAII	AWARD NUMBER AND/OR PROJECT NAME #5786 Ke Ala Ike: Connecting Hawaii's Public Schools, Community Colleges, Universities and Libraries
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE  Yaa-Yin Fong, Director, Office of Research Services	
SIGNATURE 	DATE 06/09/10

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

**LOBBYING**

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

**Statement for Loan Guarantees and Loan Insurance**

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

\* NAME OF APPLICANT

UNIVERSITY OF HAWAII

\* AWARD NUMBER

5786

\* PROJECT NAME

Ke Ala Ike: Connecting Hawaii's Public Schools, Community Colleges Universities

Prefix: \* First Name: Middle Name: and Libraries

Ms.

Yaa-Yin

\* Last Name:

Fong

Suffix:

\* Title: Director, Office of Research Services

\* SIGNATURE:

*Yaa-Yin Fong*

\* DATE:

JUN 9 2010



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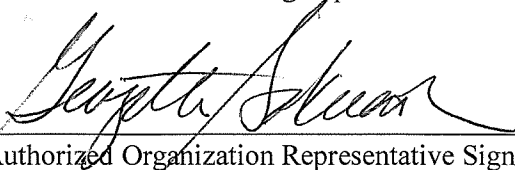
**U.S. Department of Commerce  
Broadband Technology Opportunities Program  
Authentication and Certifications**

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1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent has and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receives under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

MAR 11 2010

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Authorized Organization Representative Signature

\_\_\_\_\_  
Georgette Sakumoto  
Print Name

\_\_\_\_\_  
Administrative Officer  
Title

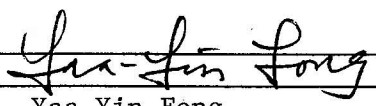
## DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

(See reverse for public burden disclosure.)

Approved by OMB

0348-0046

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. Report Type:</b> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year ____ quarter ____ date of last report ____
<b>4. Name and Address of Reporting Entity:</b>  <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier __, if known.  University of Hawaii Office of Research Services 2530 Dole St. Sakamaki D-200 Honolulu, HI 96822 Congressional District, if known:	<b>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</b>  same  Congressional District, if known:	
<b>6. Federal Department/Agency:</b>  NTIA-Broadband Technologies Program	<b>7. Federal Program Name/Description:</b>  CFDA Number, if applicable:	
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b>	
<b>10. a. Name and Address of Lobbying Registrant</b> (if individual, last name, first name, MI):  None - Not Applicable	<b>b. Individuals Performing Services</b> (including address if different from No. 10a) (last name, first name, MI):  None - Not Applicable	
Items 11 through 15 are deleted.		
<small>16 Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</small>	<b>Signature:</b>  <b>Print Name:</b> <u>Yaa-Yin Fong</u> <b>Title:</b> <u>Director, Office of Research Services</u> <b>Telephone No.:</b> <u>808 956-7800</u> <b>Date:</b> <u>06/09/10</u> (please type in full name if electronically submitted)	
<b>Federal Use Only</b>		Authorized for Local Reproduction Standard Form - LLL