



UNIVERSITY
of HAWAII*
SYSTEM

June 15, 2009

TO: CHANCELLORS Manuel Cabral Leon Richards
 Helen Cox Michael Rota (Interim)
 Rockne Freitas Clyde Sakamoto
 Angela Meixell

SUBJECT: Facilities Repairs and Maintenance Plans for FY 2010

The Vice Chancellors of Administrative Services, the Community College Budget, Planning and Finance Office staff, Director Brian Kashiwaeda, and I met as a group to establish a collective priority listing of the facilities repairs and maintenance (R&M) projects to be funded from currently available CIP and Operating funds.

1. Current Funded Repairs and Maintenance Project Listing – FY 2010 (Attachment A)

The new Current Funded Repairs and Maintenance (R&M) Project Listing – FY 2010 (Attachment A) was developed collectively, considering the priority requirements of all Community College campuses. High priority projects have been included in this listing while lower priority projects remain on the Deferred R&M Project Listing. Projects funded with prior year appropriations are not included on this current funded list.

- The Current Funded R&M Project Listing – FY 2010 reflects the projects that will be funded from the UHCC allocation of the FY 2010 CIP R&M appropriations provided under HB 200, HD1, SD1, CD1 (HB 200/SLH 2009). In determining the projects to be funded in FY 2010, existing projects were reviewed (some revisions to scope, consolidations, deletions) and new projects were added to the Deferred Repairs and Maintenance (R&M) Project Listing to obtain a comprehensive listing of projects. The projects reflected on the Deferred R&M Project Listing were prioritized by each campus, and the highest priority projects were thoroughly examined by the group to determine which projects were critical and needed to be funded immediately.
- The UHCC allocation of the FY 2011 CIP R&M appropriations provided under HB 200/SLH 2009 was only partially committed. The Current Funded R&M Project Listing – FY 2010 included a number of projects where only design funding (including design only sidewalk projects) was provided to remain within the budgetary limitations. The construction funding for these design-only projects has been committed from the FY 2011 allocations. The total estimate for construction funding for the approved FY 2010 design-only projects is \$5,148,000. Final decisions on FY 2011 funded projects will be made next year after we have a better idea of the level of available funding for FY 2011.

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Available CIP Funding – FY 2010:

FY 2010 (HB 200/SLH 2009)	\$22,602,000
Less: Prior Funded Project Shortfall	- 2,409,348
Prior Committed Design-Only Projects	- <u>589,050</u>
Net Available FY 2010 CIP Funding	<u>\$19,603,602</u>
Less: FY 2010 Current Funded Projects (Attach A)	-18,713,000
Uncommitted FY 2010 CIP Funding	<u>\$890,602</u>

Available CIP Funding – FY 2011:

FY 2011 (HB 200/SLH 2009)	<u>\$8,352,000</u>
Less: FY 2010 committed Design-Only Projects	-5,148,000
Uncommitted FY 2011 CIP Funding	<u>\$3,204,000</u>

2. Current Funded Health, Safety, and Code Project Listing – FY 2010 (Attachment A-1)

The Current Funded Health, Safety, and Code Project Listing – FY 2010 (Attachment A-1) was developed by identifying a number of deferred R&M projects that would be more accurately defined as Health, Safety, and Code projects due to imminently hazardous conditions or code conformance requirements. These projects will be funded using either excess allocations from previously funded Health and Safety projects or from new Health and Safety allocations earmarked under HB 200/SLH 2009 which were already executed using existing R&M funding due to the emergency nature of the projects.

Current Funded Health, Safety, and Code Project Listing – FY 2010 (Attachment A-1)	<u>\$7,550,000</u>
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3. Deferred Repairs and Maintenance Project Listing (Attachment B)

The updated Deferred Repairs and Maintenance (R&M) Project Listing (Attachment B) has a total of 173 deferred projects listed and reflects the following categorical breakdowns for the Community Colleges:

Backlog Renewal	\$55,892,000
Modernization	30,095,000
Major Renovation	<u>36,920,000</u>
Total Attachment B	<u>\$122,907,000</u>

During the month of July, Brian Kashiwaeda, Michael Yoshimura, Aaron Nyuha, and I will be visiting each campus to visually inspect and discuss your R&M projects to gain a better understanding of each of your campus' needs and to better assess the urgency of each of the projects listed.

4. Repairs and Maintenance Reserve for FY 2010

The level of repairs and maintenance funding that will be kept in reserve at this point will include the FY 2009 Operating R&M carryover balance and the FY 2010 operating R&M budget allocation. The total is estimated to be \$2,016,000 from Operating funds. While this Operating reserve appears to be relatively high, operating funds provides us with the most latitude in addressing emergency projects on a timely basis.

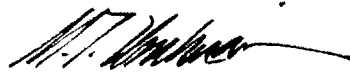
Available Operating Funding:

Fiscal Year 2010	Operating allocation	\$576,000
	Estimated Carryover	<u>1,440,000</u>
	Total Operating Available:	<u>\$2,016,000</u>

5. Repairs and Maintenance Information and Justification Sheets

The Repairs and Maintenance Information and Justification Sheets have not yet been updated to reflect the above-mentioned changes. As in previous years, my office will work with your Vice Chancellors of Administrative Services to update these as soon as possible.

We will continue to work closely with your Vice Chancellors of Administrative Services in meeting the facilities repairs and maintenance requirements of all Community College campuses. Should you have any questions or concerns, please call me at 956-6280.



Michael T. Unebasami
Associate Vice President for Administrative Affairs

Attachments

- c Vice President John Morton
- Vice Chancellors of Administrative Services
- Director Michael Yoshimura
- Director Brian Kashiwaeda
- Aaron Nyuha

Current Funded Repair and Maintenance Project Listing - FY 2010

Attachment A

CURRENT FUNDED R&M PROJECTS FY 2010							
Priority	Building	Description	Category	Allocation			Comments
				Design	Construction	Total	
HONOLULU CC							
1	8805 Science	Retrofit/Replace Air Conditioning System	Backlog Renewal	66,000	354,000	420,000	
2	8806	Upgrade PBX system		50,000	500,000	550,000	
3	8827 Cosmetology	Repair/Replace Interlocking Ceiling Tile	Backlog Renewal	49,000	179,000	228,000	
4	8843, 8844	Replace rain gutters around both buildings	Backlog Renewal	35,000	300,000	335,000	
5	8802 Campus Ctr	Provide Separate AC Zone - 2nd Floor Height Tech Conference Rm	Backlog Renewal	12,000	119,000	131,000	
6	8827 Cosmetology	Repair Walkways Around Building	Backlog Renewal	29,000	-	29,000	Walkways (design only)
7	8850 METC	Repair Finger Piers (2)	Backlog Renewal	32,000	-	32,000	Design only
8	8852	Change flooring from carpet to VCT	Backlog Renewal	40,000	-	40,000	Design only
Total Honolulu CC				313,000	1,452,000	1,765,000	
KAPI'OLANI CC							
1	6932 Arts & Sciences - Kalia	Reroof	Backlog Renewal	18,000	219,000	237,000	
2	6921 C - Iliahi	Reroof (Holomua Center)	Backlog Renewal	14,000	170,000	184,000	
3	6919A, 6919B, Kauila (Health Science)	Reroof	Backlog Renewal	55,000	570,000	625,000	
4	6922A, 6922B, Koa (Art)	Reroof	Backlog Renewal	30,000	270,000	300,000	
5	6930, Ohelo (Fine Dining/Culinary)	Replace hot water tanks on Ohelo rooftop	Backlog Renewal	30,000	200,000	230,000	
6	6928, Ohia (Cafeteria/Culinary)	Replace chill water insulation and ducting; repair electrical rooftop panels, install pc-based building management system	Backlog Renewal	70,000	700,000	770,000	
7	Kokio, Ilima, Iliahi, Kauila	Upgrade toilets	Backlog Renewal	100,000	900,000	1,000,000	
8	Campuswide	Resurface Asphalt Walkways/Bike paths, including Alani	Backlog Renewal	32,000	-	32,000	Walkways (design only)
9	Iliahi	Renovation Title III	Renovation	-	1,200,000	1,200,000	Renovation
10	6930 Culinary - Ohelo	Reroof	Backlog Renewal	37,000	-	37,000	Design only
11	Building 6934 Arts & Science - Olona	Reroof	Backlog Renewal	16,000	-	16,000	Design only
Total Kapi'olani CC				402,000	4,229,000	4,631,000	

Current Funded Repair and Maintenance Project Listing - FY 2010

Attachment A

CURRENT FUNDED R&M PROJECTS FY 2010							
Priority	Building	Description	Category	Allocation			Comments
				Design	Construction	Total	
LEEWARD CC							
1	Campuswide	Upgrade Telecommunication Infrastructure	Backlog Renewal	37,000	630,000	667,000	
2	880-GenTech,884-Fine Arts,883-Arts&Music,886-BusEd,875-Library,878-BioSci	Upgrade Classrooms and Faculty Offices - Re-carpeting, fixed seating configurations, faculty office and classroom renovations	Renovation	-	567,000	567,000	Renovation
3	Campuswide	Second Floor Railing - clean & waterproof 2nd floor concrete railing components	Backlog Renewal	30,000	260,000	290,000	
4	876-Admin	Renovate Second Floor of Admin Bldg - for Student Services One-Stop Center	Renovation	78,000	570,000	648,000	Renovation
5	Campuswide	Repair Restrooms-Phase II	Backlog Renewal	142,000	805,000	947,000	
6	Campuswide	Seal, Prime & Paint Building Exteriors (priority projects)	Backlog Renewal	58,000	462,000	520,000	
7	Campuswide	Repair and Seal Ground Level Campus Sidewalks	Backlog Renewal	55,000	-	55,000	Walkways (design only)
8	Campuswide	Waterproof Fascias Campuswide	Backlog Renewal	41,000	-	41,000	Design only
Total Leeward CC				441,000	3,294,000	3,735,000	
WINDWARD CC							
1	5977, 5979, 5980, 5983, 5982	Replace Awning/Ramp/Rail- Laakea, Manaopono, Noeau, Alakai, Naauao	Backlog Renewal	25,000	200,000	225,000	
2	Campuswide	ADA compliance - automatic door openers.	Backlog Renewal	16,000	100,000	116,000	
3	5991 Palanikila 5990 Akoakoa	Repair Roof/Leaks (including downspouts and gutters)	Backlog Renewal	21,000	105,000	126,000	5991 recent discovery
4	5982 Alakai Roadway	Repave Roadway - Alakai	Backlog Renewal	42,000	158,000	200,000	
5	5988 Imiloa	Replace AC Sys Cooling Tower and Chiller w/redundancy - Imiloa	Backlog Renewal	100,000	850,000	950,000	
6	Campuswide	Upgrade and Expand EMS-see Energy Audit	Modernization	55,000	238,000	293,000	Modernization
7	5992 A'o	Refurbish Patio Area - Hale A'o	Backlog Renewal	26,000	-	26,000	Design only
Total Windward CC				285,000	1,651,000	1,936,000	

Current Funded Repair and Maintenance Project Listing - FY 2010

Attachment A

CURRENT FUNDED R&M PROJECTS FY 2010							
Priority	Building	Description	Category	Allocation			Comments
				Design	Construction	Total	
HAWAI'I CC							
1	Campuswide	Replace water distribution infrastructure	Backlog Renewal	263,000	-	263,000	Design only
2	Campuswide	Update/upgrade/replace campus telephone system	Modernization	-	300,000	300,000	Modernization
3	382 Cafeteria	Men's and Women's shower renovation	Backlog Renewal	12,000	80,000	92,000	
4	324 Welding	Re-roof	Backlog Renewal	60,000	650,000	710,000	
5	382 Cafeteria	Refrigerator/freezer replacement. Repair and refurbish interiors	Backlog Renewal	30,000	250,000	280,000	
Total Hawai'i CC				365,000	1,280,000	1,645,000	
MAUI CC							
1	TLC, Lualima 2251	Retrofit central air conditioning unit for TLC complex and Lualima Bldg. Deteriorated	Backlog Renewal	60,000	400,000	460,000	
2	Moloka'i Ag	Strengthen Molokai AG Greenhouse Structure and Deteriorated Panels.	Backlog Renewal	37,000	263,000	300,000	
3	2201, 2202, 2203 2204	Repair/Repaint Exterior, Vocational Shops, Automotive, Bldg Maintenance, Carpentry and Welding, stucco spalling and falling off the building.	Backlog Renewal	65,000	760,000	825,000	
4	Campuswide	Repair/Upgrade Irrigation System to a pressurized system and also convert potable irrigation areas to non-potable.	Backlog Renewal	53,000	257,000	310,000	
5	Campuswide	Repair/Refurbish Sidewalks	Backlog Renewal	32,000	-	32,000	Walkways (design only)
6	2220 Faculty Hale	Repair restrooms, fixtures, stalls, walls, etc	Backlog Renewal	35,000	-	35,000	Design only
7	2249 Kalama	Repair/Repaint exterior walls and interior walls and replace deteriorated window louvers. Paint peeling.	Backlog Renewal	32,000	-	32,000	Design only
Total Maui CC				314,000	1,680,000	1,994,000	

Current Funded Repair and Maintenance Project Listing - FY 2010

Attachment A

CURRENT FUNDED R&M PROJECTS FY 2010							
Priority	Building	Description	Category	Allocation			Comments
				Design	Construction	Total	
KAUA'I CC							
1	4454, 4456A, 4456B	Repair Built-Up & Metal Roofs for Nursing/Bus. Ed.(4454) and Faculty 1 & 2 (4456A & 4456B)	Backlog Renewal	27,000	147,000	174,000	
2	4463B, 4465	Reroof Welding 2 (4463B) and Campus Center (4465)	Backlog Renewal	58,000	415,000	473,000	
3	Campuswide	Repair/Replace Bus Shelters	Backlog Renewal	25,000	75,000	100,000	
4	4465 Campus Center	Renovate Campus Center into Culinary Arts Demonstration Kitchen/Classroom (950 gsf)	Renovation	138,000	1,062,000	1,200,000	Renovation
5	Campuswide	Caulk/seal/repair Roof Flashing and 63 Exhaust Hoods	Backlog Renewal	50,000	455,000	505,000	
6	4459A, 4464	Reroof Fine Arts 1 (4459A) and Carpentry (4464)	Backlog Renewal	55,000	500,000	555,000	
Total Kaua'i CC				353,000	2,654,000	3,007,000	
TOTAL CURRENT FUNDED PROJECTS:							
				2,473,000	16,240,000	18,713,000	

FY 2010 (HB 200/SLH 2009):	22,602,000
Less Prior Funded Projects Shortfall:	-2,409,348
Less Prior Committed Design-Only Projects:	-589,050
Net Available:	<u>19,603,602</u>
Less Current Funded Projects:	-18,713,000
Uncommitted FY 2010 CIP Funding:	<u>890,602</u>
FY 2011 (HB 200/SLH 2009):	8,352,000
Less FY 2010 Committed Design-Only Projects:	-5,148,000
Uncommitted FY 2011 CIP Funding:	<u>3,204,000</u>

Current Funded Health, Safety, and Code Project Listing - FY 2010

CURRENT FUNDED HEALTH, SAFETY, AND CODE PROJECTS FY 2010							
Priority	Building	Description	Category	Allocation			Comments
				Design	Construction	Total	
HONOLULU CC							
1	8814	Fix ventilation system for welding workstations	Backlog Renewal	40,000	400,000	440,000	
2	8805 Science	Elevator access	Backlog Renewal	100,000	269,000	369,000	
3	8807 Library	Library/Classroom mold control	Backlog Renewal	495,000	4,095,000	4,590,000	
4	Campuswide	Fire alarm system upgrade	Backlog Renewal		830,000	830,000	
Total Honolulu CC				635,000	5,594,000	6,229,000	
HAWAI'I CC							
1	390 Carpentry	Remove and replace shop dust collector	Backlog Renewal	40,000	400,000	440,000	
2	321 Auto body, 322 Auto mech, 323 Diesel	Repair 3 oil separators	Backlog Renewal	30,000	150,000	180,000	
Total Hawai'i CC				70,000	550,000	620,000	
MAUI CC							
1	Campuswide	Repair/Upgrade fireflow assembly check valve (TLC) and other fire hydrant shut off valves	Backlog Renewal	15,000	50,000	65,000	
2	Auto 2201, Bldg Trades 2202, Welding 2203, Carpentry 2204 and the PE Bldg 2231	Upgrade electrical systems in all vocational shops and the former PE Bldg which is now the Art/Ceramics Bldg	Backlog Renewal	50,000	470,000	520,000	
Total Maui CC				65,000	520,000	585,000	
KAUA'I CC							
1	Campuswide	Replace Generators for Emergency Lighting System	Backlog Renewal	26,000	90,000	116,000	
Total Kaua'i CC				26,000	90,000	116,000	
TOTAL CURRENT FUNDED PROJECTS:				796,000	6,754,000	7,550,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
1	HON	8827 Cosmetology	Repair Walkways Around Building	Backlog Renewal	-	105,000	105,000	Walkways (design only)
2	HON	8852 and 8857	Change flooring from carpet to VCT	Backlog Renewal	-	335,000	335,000	Design only
3	HON	8850 METC	Repair Finger Piers (2)	Backlog Renewal	-	108,000	108,000	Design only
4	HON	Campuswide	Upgrade Campus Irrigation system	Backlog Renewal	24,000	82,000	106,000	
5	HON	8804 Bakery & Foods	Install Central Air Conditioning System in Cafeteria Dining Area	Modernization	28,000	221,000	249,000	
6	HON	Campuswide	Repair/Replace Campuswide Signage	Backlog Renewal	56,000	283,000	339,000	
7	HON	8827 Cosmetology, 8806 Admin	Repair/Repaint Exterior	Backlog Renewal	42,000	368,000	410,000	
8	HON	8807 Library/Classrooms	Repair Electrical Problems 3rd Floor (Reassess Remaining Floors)	Backlog Renewal	26,000	123,000	149,000	
9	HON	8805 Chemistry	Repair Courtyard - Flooding/ADA Compliance	Backlog Renewal	37,000	263,000	300,000	
10	HON	8802 Campus Ctr, 8805 Science, 8806 Admin	Repair/Replace AC - 24 Hour	Backlog Renewal	27,000	174,000	201,000	
11	HON	Hangar 111	Repair/Repaint Exterior	Backlog Renewal	98,000	579,000	677,000	
12	HON	8804 Cafeteria	Regrade floor to ensure proper drainage	Backlog Renewal	13,000	74,000	87,000	
13	HON	8812 Pipe Fitters, 8813 Machine Shop	Repair Bathrooms including ADA Compliance	Backlog Renewal	18,000	102,000	120,000	
14	HON	8827 Cosmetology, 8820 Electronics, 8824 Electrical	Repair Bathrooms	Backlog Renewal	12,000	72,000	84,000	
15	HON	Campus Mall	Repair Concrete Walkway	Backlog Renewal	108,000	740,000	848,000	
16	HON	8827 Cosmetology	Repair/Repaint Interior of Building	Backlog Renewal	56,000	250,000	306,000	
17	HON	Lots 1 & 2	Resurface/Repair Parking Lots	Backlog Renewal	113,000	1,087,000	1,200,000	
18	HON	Lots 3, 4, 6 & 7	Resurface/Repair Parking Lots	Backlog Renewal	144,000	1,522,000	1,666,000	
19	HON	8806 Admin	Renovate Administration & Create One-Stop for Students	Modernization	59,000	309,000	368,000	
20	HON	8802	Repair all external windows, including window panels in walkways from stairwells to floors	Backlog Renewal	18,000	150,000	168,000	
21	HON	8850 METC	Repair Vertical Wall Panel Leak	Backlog Renewal	21,000	79,000	100,000	
22	HON	8816 Print Shop, 8818 O&M, 8812 Pipe Fitters	Reroof - Asbestos	Backlog Renewal	-	384,000	384,000	Design only
23	HON	Incinerator Site	Upgrade Lighting and repave area	Backlog Renewal	126,000	1,470,000	1,596,000	
24	HON	8804 Bakery & Foods	Improve Water Drainage in Parking Lot 2	Backlog Renewal	79,000	515,000	594,000	
25	HON	8850 METC	Repair/Replace Louvers	Backlog Renewal	13,000	71,000	84,000	
26	HON	8850 METC	Repair/Replace Flooring	Backlog Renewal	50,000	196,000	246,000	
27	HON	8803 Auto, 8812 Pipe Fitters, 8817 Weld, 8818 Refrig	Repair/Repaint Exterior of Buildings	Backlog Renewal	66,000	387,000	453,000	
28	HON	8804 Bakery & Foods	Repair/Repaint Building Exterior	Backlog Renewal	27,000	95,000	122,000	
29	HON	8812 Pipe Fitters, 8813 Machine Shop, 8814 Trades	Improve Drainage for Rainwater	Backlog Renewal	55,000	251,000	306,000	
30	HON	8802 Campus Ctr	Replace 3 Elevators	Backlog Renewal	105,000	945,000	1,050,000	
31	HON	8852 Airport Training Center	Reroof	Backlog Renewal	55,000	496,000	551,000	
32	HON	8871 A,B,C,D Class/Offices	Reroof	Backlog Renewal	25,000	220,000	245,000	
33	HON	8805 Science	Renovate Interior of Building 8805	Modernization	103,000	682,000	785,000	
34	HON	8807 Library/Classrooms	Repaint Interior/Minor Repair	Backlog Renewal	95,000	1,381,000	1,476,000	
35	HON	8843 Auto, 8844 Heavy Equip	Repair/Reinforce Chain Link Fence	Backlog Renewal	44,000	154,000	198,000	
36	HON	8824 Electricity	Repaint Interior/Minor Repair	Backlog Renewal	18,000	147,000	165,000	
37	HON	8820 Electronics	Repaint Interior/Minor Repair	Backlog Renewal	20,000	168,000	188,000	
38	HON	8814 Trades Complex	Repaint Interior/Minor Repair	Backlog Renewal	57,000	567,000	624,000	
39	HON	8850 METC	Upgrade Ventilation	Backlog Renewal	50,000	226,000	276,000	
Subtotal HON:					1,888,000	15,381,000	17,269,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
8	KAP	Campuswide	Resurface Asphalt Walkways/Bike paths, including Alani	Backlog Renewal	-	210,000	210,000	Walkways (design only)
6	KAP	6930 Culinary - Ohelo	Reroof	Backlog Renewal	-	435,000	435,000	Design only
17	KAP	Building 6934 Arts & Science - Olona	Reroof	Backlog Renewal	-	196,000	196,000	Design only
5	KAP	6930 Culinary Ohelo	Repair/Replace AC Air Handlers	Backlog Renewal	31,000	320,000	351,000	
11	KAP	6928 Campus Center - Ohia, 6930 Culinary - Ohelo	Refloor	Backlog Renewal	16,000	79,000	95,000	
13	KAP	6934 Olona	Repair/Replace AC - Chiller, Pumps, Air Handlers	Backlog Renewal	53,000	441,000	494,000	
14	KAP	6938 Comm Svc - Manono, 6937 Comm Svc - Manele	Repair/Replace AC Chiller & Pumps (Manono & Manele)	Backlog Renewal	58,000	462,000	520,000	
15	KAP	6939 Class - Kopiko, 6927 Admin - Ilima	Replace Operable Walls (Removable Partitions)	Backlog Renewal	-	158,000	158,000	Design only
16	KAP	6946 Chapel	Repair/Refurbish Chapel Building	Backlog Renewal	77,000	494,000	571,000	
18	KAP	Campuswide	Upgrade Electrical Systems	Backlog Renewal	44,000	166,000	210,000	
19	KAP	6928 Campus Center - Ohia, 6930 Culinary - Ohelo	Replace Walk-in Refrigerator/Freezers - Phase II	Backlog Renewal	42,000	815,000	857,000	
20	KAP	6935 Library - Lama	Replace Carpeting	Backlog Renewal	21,000	231,000	252,000	
21	KAP	Service Roads at 6937- Manele, 6938 - Manono	Resurface Road Fronting Manele/Manono	Backlog Renewal	32,000	109,000	141,000	
22	KAP	Parking Lots A,B,C,D	Resurface	Backlog Renewal	89,000	560,000	649,000	
23	KAP	6930 Culinary - Ohelo, 6928 Cafeteria - Ohia	Repair/Refurbish Food Service Public Areas, Ohelo, Ohia	Backlog Renewal	46,000	197,000	243,000	
24	KAP	6930 Culinary - Ohelo, 6928 Cafeteria - Ohia	Repair/Replace Fixed Equipment and Repair Rooms, Ohelo, Ohia	Backlog Renewal	56,000	239,000	295,000	
25	KAP	6918 - Mokihana, 6917 - Mamane	Repair Damaged Interiors	Backlog Renewal	105,000	945,000	1,050,000	
26	KAP	Campuswide	Rekey w/ Electronic Keying System	Modernization	48,000	415,000	463,000	
27	KAP	Campuswide	Repair/Replace Landscaping/Irrigation System	Backlog Renewal	52,000	473,000	525,000	
28	KAP	Campuswide	Repair Termite Damaged Bldgs Phase II	Backlog Renewal	26,000	228,000	254,000	
29	KAP	Campuswide	Replace Toilets & Urinals	Backlog Renewal	152,000	1,684,000	1,836,000	
30	KAP	6919 Health - Kauila	Replace Operable Walls (Removable Partitions)	Backlog Renewal	11,000	105,000	116,000	
31	KAP	6934 - Olona	Repair/Replace AC - Condenser Coils	Backlog Renewal	29,000	277,000	306,000	
32	KAP	Building 6921 A,B, & D - Iliahi 6918 - Mokihana, 6917 - Mamane	Reroof	Backlog Renewal	31,000	224,000	255,000	
33	KAP	Mamane	Replace AC Systems	Backlog Renewal	18,000	191,000	209,000	
34	KAP	6930 Culinary	Renovate Culinary Facilities	Modernization	126,000	1,474,000	1,600,000	
35	KAP	6930 Culinary	Renovate - Asia Pacific Kitchen	Modernization	44,000	487,000	531,000	
36	KAP	6929 Naio	Create Technology Hub & Renovate Media Center	Major Renovation	595,000	6,176,000	6,771,000	
37	KAP	6920 Kokio	Renovate - Science Labs (Integrated Technologies)	Modernization	118,000	1,218,000	1,336,000	
38	KAP	6916 Performing Arts	Renovate- Maile	Modernization	28,000	111,000	139,000	
41	KAP	6919 Kauila	Renovate - Respiratory Care "Hospital Room"	Modernization	231,000	2,418,000	2,649,000	
43	KAP	6927 Ilima	Recarpet Ilima	Backlog Renewal	18,000	162,000	180,000	
46	KAP	6940 Olapa	Refurbish Interiors	Modernization	136,000	846,000	982,000	
48	KAP	6919 Kauila	Enclose Area for Office Space	Modernization	12,000	129,000	141,000	
	KAP	Campus Wide	Exterior Lighting	Backlog Renewal	53,000	1,050,000	1,103,000	
Subtotal KAP:					2,398,000	23,725,000	26,123,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
	LEE	Campuswide	Repair and Seal Ground Level Campus Sidewalks	Backlog Renewal	-	233,000	233,000	Walkways (design only)
	LEE	Campuswide	Waterproof Fascias Campuswide	Backlog Renewal	-	365,000	365,000	Design only
1	LEE	885-Theatre	Repair Theatre - waterproof, mechanical & infrastructure upgrades, code compliance, refurbish interior, stage & dance floor replacements, box office & restroom modernization	Major Renovation	600,000	6,200,000	6,800,000	Major Renovation
2	LEE	Campuswide	Replace door locks	Modernization	50,000	500,000	550,000	
3	LEE	889-Language Arts, 879-Math & Science, 886-BusEd	Repair/Replace Air Conditioning/Ventilation Systems	Backlog Renewal	200,000	2,100,000	2,300,000	
4	LEE	Campuswide	Repair/Replace Irrigation System	Backlog Renewal	42,000	125,000	167,000	
5	LEE	Campuswide	Replace Shade House Roof	Backlog Renewal	6,000	100,000	106,000	
6	LEE	Campuswide	Upgrade Campus Lighting and Electrical	Backlog Renewal	53,000	368,000	421,000	
7	LEE	Campuswide	Repair/Replace of Directional Signage	Backlog Renewal	21,000	84,000	105,000	
8	LEE	889 Language Arts, 879 Math & Science	Model Classroom Upgrade	Modernization	42,000	506,000	548,000	
9	LEE	Campuswide	Repair Restrooms-Phase III	Backlog Renewal	142,000	805,000	947,000	
10	LEE	882-Campus Center	Upgrade Campus Center Cafeteria Food Service Area	Modernization	105,000	1,050,000	1,155,000	
11	LEE	882-Campus Center	Upgrade Campus Center Cafeteria Kitchen Area	Modernization	105,000	1,050,000	1,155,000	
12	LEE	Campuswide	Retrofit/Replace Chill Water Pipe Insulation	Backlog Renewal	139,000	996,000	1,135,000	
13	LEE	Campuswide	Upgrade Air Conditioning Control System	Major Renovation	546,000	4,914,000	5,460,000	
14	LEE	Campuswide	Replace 5 Electrical Transformers	Backlog Renewal	75,000	800,000	875,000	
15	LEE	Campuswide	Replace Exterior Metal Doors	Backlog Renewal	58,000	520,000	578,000	
16	LEE	Campuswide	Resurface Ewa Service Road	Backlog Renewal	90,000	393,000	483,000	
17	LEE	Campuswide	Resurface Makai Service Road and Parking Lot	Backlog Renewal	95,000	420,000	515,000	
18	LEE	Campuswide	Reseal Upper Campus Parking Lot	Backlog Renewal	69,000	426,000	495,000	
19	LEE	Campuswide	Resurface OCEWD Parking Lot	Backlog Renewal	61,000	389,000	450,000	
20	LEE	Campuswide	Reroof Phase II	Backlog Renewal	84,000	777,000	861,000	
21	LEE	876-Admin	Renovate First Floor of Admin Bldg - for Offices	Modernization	37,000	263,000	300,000	
Subtotal LEE:					2,620,000	23,384,000	26,004,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
1	WIN	5992 A'o	Refurbish Patio Area - Hale A'o	Backlog Renewal	-	119,000	119,000	Design only
2	WIN	5983 Naauao	Renovate - Naauao	Modernization	300,000	2,700,000	3,000,000	Renovation
3	WIN	Campuswide	Expand Electronic Access System	Modernization	50,000	500,000	550,000	
4	WIN	Campuswide	Chill Water Loop (connect existing systems)	Modernization	150,000	1,400,000	1,550,000	
5	WIN	5989 Hukulani	Upgrade Imaginarium to Digital	Modernization	32,000	252,000	284,000	
6	WIN	5982 Alakai	Renovate - Alakai	Major Renovation	600,000	5,200,000	5,800,000	
7	WIN	5977 Laakea	Renovate - Laakea	Modernization	185,000	2,082,000	2,267,000	
8	WIN	5980 Noeau	Renovate - Noeau	Modernization	175,000	1,934,000	2,109,000	
9	WIN	5985? HSH Maint. Bldgs	Renovate Maintenance Bldgs for WCC	Modernization	130,000	1,100,000	1,230,000	
Subtotal WIN:					1,622,000	15,287,000	16,909,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
1	HAW	Campuswide	Replace water distribution infrastructure	Backlog Renewal	-	1,200,000	1,200,000	Design only
2	HAW	378 Provost Bldg	Replace end of life cycle AC unit, ducting and insulation	Backlog Renewal	35,000	275,000	310,000	
3	HAW	397 Business Office	Replace AC unit, ducting, and insulation	Backlog Renewal	30,000	250,000	280,000	
4	HAW	Campuswide	Replace window AC approx. 70 units	Backlog Renewal	20,000	150,000	170,000	
5	HAW	385B Ceramics	Replace kiln/lab work area	Backlog Renewal	15,000	75,000	90,000	
6	HAW	379A - OCET/Financial Aid	Re-roof	Backlog Renewal	30,000	200,000	230,000	
7	HAW	Campuswide	Replace missing/stained/molded/mildewed ceiling tiles	Backlog Renewal	7,000	88,000	95,000	
8	HAW	Greenhouse/Lean-To	Install security fence around campus property line	Backlog Renewal	15,000	100,000	115,000	
9	HAW	324 Welding	Renovate Classrooms	Modernization	329,000	2,417,000	2,746,000	
10	HAW	Campuswide	Repair, clean, prep, treat, and paint all corroded areas	Backlog Renewal	15,000	100,000	115,000	
11	HAW	Campuswide	Clean, repair rain gutters, down spouts, drain pipes, and rain gutter receptacles	Backlog Renewal	12,000	100,000	112,000	
12	HAW	Campuswide	Re-roof and replace gutters for campus walkways	Backlog Renewal	40,000	400,000	440,000	
13	HAW	390 Carpentry	Upgrade toilets, labs, and electrical infrastructure	Backlog Renewal	150,000	1,300,000	1,450,000	
14	HAW	391 Electricity	Renovate Electricity/Electronics building	Major Renovation	585,000	4,284,000	4,869,000	
15	HAW	11 Buildings	Return roll up doors and hanging doors to manufacturers specifications	Backlog Renewal	50,000	480,000	530,000	
16	HAW	386 Science Lab, 389 Aux Shop, 390 Carpentry	Repair/Replace Expanded Metal Screens & Install Fans	Backlog Renewal	30,000	170,000	200,000	
17	HAW	Campuswide	Increase parking spaces by approx 50, define unmarked parking areas, pave/stripe gravel parking, clean, prep, paint, align, and secure concrete parking blocks	Backlog Renewal	25,000	150,000	175,000	
18	HAW	Campuswide	Re-assess campus accessibility routes, install/repair missing/damaged detectable warning devices	Backlog Renewal	15,000	50,000	65,000	
19	HAW	Campuswide	Install/replace automatic door closers	Backlog Renewal	10,000	90,000	100,000	
20	HAW	Campuswide	Bulletin board replacement	Backlog Renewal	3,000	27,000	30,000	
21	HAW	Campuswide	Removal and prevention of nests and nesting birds	Backlog Renewal	1,000	11,000	12,000	
22	HAW	Campuswide	Repair/replace deteriorated windows, window frames, doors and door frames	Backlog Renewal	30,000	100,000	130,000	
23	HAW	Campuswide	ADA automatic door openers.	Backlog Renewal	11,000	95,000	106,000	
24	HAW	386A Ag Mech, 389 Aux Shop	Repair/Modify/Eliminate 4 Ditch Drains & Separators	Backlog Renewal	21,000	84,000	105,000	
25	HAW	394 - UHH Art Building	Replace roof and rain gutters. Paint	Backlog Renewal	53,000	315,000	368,000	
26	HAW	395 Art labs and offices	Replace end of life cycle AC unit, ducting and insulation	Backlog Renewal	10,000	70,000	80,000	
27	HAW	383 - Hale Aloha	Replace rain gutters & repair corrosion on metal purlins.	Backlog Renewal	53,000	263,000	316,000	
28	HAW	Campuswide	Replace/Install signage	Backlog Renewal	25,000	225,000	250,000	
Subtotal HAW:					1,620,000	13,069,000	14,689,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
1	MAU	Campuswide	Repair walkways	Backlog Renewal	-	210,000	210,000	Walkways (design only)
2	MAU	2220 Faculty Hale	Repair restrooms, fixtures, stalls, walls, etc Repair/Repaint exterior walls and interior walls and replace deteriorated window louvers. Paint peeling.	Backlog Renewal	-	250,000	250,000	Design only
3	MAU	2249 Kalama	Repair/Repaint Exterior	Backlog Renewal	-	315,000	315,000	Design only
4	MAU	2224 Library	Repair/Replace Skylight Dome on Rooftop	Backlog Renewal	10,000	63,000	73,000	Campus
5	MAU	Auto 2201, Bldg Trades 2202, Welding 2203, Carpentry 2204	Repair/Repaint Vocational Shops concrete spalling	Backlog Renewal	40,000	400,000	440,000	
6	MAU	Main Chiller Plant	Repair/Rebalance Chiller Plant, reinsulate Chiller #1 and re-calibrate/upgrade the chill water pumps	Backlog Renewal	10,000	40,000	50,000	
7	MAU	2249, 2250, 2251, 2236, 2237, 2238	Mold/Mildew abatement from AC hood system, coils, fan units, etc	Backlog Renewal	32,000	315,000	347,000	
8	MAU	2201, 2202, 2203, 2204, 2235, 2223	Repair Roll-up Doors	Backlog Renewal	70,000	466,000	536,000	
9	MAU	Moloka'i Ed Center 5015	Repace Chiller (Oahu AC Tech stated chiller plant should be replaced in the near future to avoid the constant repairs and downtime)	Backlog Renewal	35,000	300,000	335,000	
10	MAU	2239A Ag Classrooms, 2249 Kalama Bldg	Repair/Replace Windows, Ag Building and Kalama Bldg	Backlog Renewal	37,000	263,000	300,000	
11	MAU	Campuswide	Repair Termite Damage/Treatment (phase I)	Backlog Renewal	95,000	578,000	673,000	
12	MAU	Campuswide--Upper Campus	Upgrade Potable Water Lines	Backlog Renewal	44,000	405,000	449,000	
13	MAU	Campuswide	Resurface Roads and Parking Lots - Lower Campus	Backlog Renewal	70,000	422,000	492,000	
14	MAU	Campuswide	Repair Termite Damage campus wide (phase II)	Backlog Renewal	95,000	578,000	673,000	
15	MAU	Campuswide	Rekey Door Locks and replace with proximity card readers	Modernization	78,000	477,000	555,000	
16	MAU	Campuswide	Repair/Replace Directional/Traffic Signage	Backlog Renewal	12,000	67,000	79,000	
17	MAU	Overflow parking areas	Install grass blocks to prevent deterioration	Backlog Renewal	63,000	546,000	609,000	
18	MAU	2253 Paina	Humidity Control in Building, and reduce size of entry way fan.	Backlog Renewal	53,000	420,000	473,000	
19	MAU	2216, 2217, 2218, 2219 Hales	Replace Split AC Units for Hale Classrooms	Backlog Renewal	13,000	76,000	89,000	
20	MAU	Campuswide	Upgrade Energy Management System	Backlog Renewal	55,000	238,000	293,000	
21	MAU	2221 Science	Renovate - Allied Health Programs - Nursing, Dental Hygiene, Oral Health and install Chill Water Loop System (2221, 2208 & 2251)	Major Renovation	556,000	6,664,000	7,220,000	
22	MAU	Campuswide	Upgrade Building Signage	Backlog Renewal	37,000	263,000	300,000	
23	MAU	Campuswide	Replace Urinals (Waterless) Toilets (Double Flush)	Modernization	31,000	363,000	394,000	
24	MAU	2248A, 2248B, 2248C, 2248D	Repair/repaint interior and exterior, MCC Dormitories	Backlog Renewal	53,000	420,000	473,000	
25	MAU	Dormitory Parking Lot	Resurface	Backlog Renewal	44,000	174,000	218,000	
26	MAU	Tennis Courts	Resurface	Backlog Renewal	41,000	136,000	177,000	
Subtotal MAU:					1,574,000	14,449,000	16,023,000	

Deferred Repairs and Maintenance Project Listing

Priority	Campus	Building	Description	Category	Design	Construction	Total	Comments
1	KAU	4465 Campus Center	Renovate Campus Center into Culinary Arts Demonstration Kitchen/Classroom (950 gsf)	Modernization	138,000	1,062,000	1,200,000	Renovation
2	KAU	OCET Portable	Renovate OCET Portable for Early Childhood Ed (1,200 GSF) add bathroom, playground, fencing	Modernization	84,000	515,000	599,000	
3	KAU	AC Plant	Retrofit Air Conditioning Plant (Add 3rd Chiller, 2nd Cooling Tower & Pumps)	Backlog Renewal	-	525,000	525,000	Design only
4	KAU	4461 (PAC), 4469 Electronics	Exterior Lighting	Backlog Renewal	18,000	60,000	78,000	
5	KAU	Campuswide	Repair/Replace Damaged light poles and Electrical Circuits	Backlog Renewal	12,000	94,000	106,000	
6	KAU	4455 Learning Resource Center	Repair/Retrofit A/C Air Handlers and Fan Coil Units in the Learning Resource Center	Backlog Renewal	119,000	670,000	789,000	
7	KAU	Campuswide	Resurface Roads and Parking Lots	Backlog Renewal	98,000	727,000	825,000	
8	KAU	4454 Business/Nursing	Repair/Retrofit A/C Air Handlers and Fan Coil Units in the Business/Nursing Building	Backlog Renewal	30,000	170,000	200,000	
9	KAU	4458 Social Science, 4466 Auto Body, 4467 Auto tech	Retrofit/Replace Air Conditioning System	Backlog Renewal	30,000	170,000	200,000	
10	KAU	4465 Campus Center, 4454 Business/Nursing	Replace Carpet	Backlog Renewal	53,000	472,000	525,000	
11	KAU	Campuswide	Repair/Replace Signage	Backlog Renewal	10,000	67,000	77,000	
12	KAU	4455 Library/LRC, 4465 Campus Ctr	Replace Windows (12)	Backlog Renewal	10,000	96,000	106,000	
13	KAU	4458 Social Science	Renovate Classrooms to Science Lab	Modernization	54,000	606,000	660,000	
Subtotal KAU:					656,000	5,234,000	5,890,000	
Grand Totals:					12,378,000	110,529,000	122,907,000	