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19 AUG 30 P12:53

Jan S. Gouveia
Vice President for Administration

RECEIVED

September 5, 2019

19 AUG 30 P12:48

TO: BENJAMIN KUDO
Chairperson, Board of Regents

UNIVERSITY OF HAWAII
PRESIDENT'S OFFICE

VIA: DAVID LASSNER
President

David Lassner

FROM: JAN GOUVEIA
Vice President for Administration

Jan Gouveia

SUBJECT: APPROVAL OF THE FISCAL YEAR (FY) 2020-2021 CIP
SUPPLEMENTAL BUDGET REQUEST; 6-YEAR CIP PLAN UPDATE

SPECIFIC ACTION REQUESTED:

Pursuant to Regent Policy 8.204, the Board of Regents of the University of Hawai'i (the "Board") shall approve an annual capital improvement project budget for the University of Hawai'i (the "University"). The capital improvement budget accounts for all major projects in the planning, design or construction stages for the upcoming fiscal year, and is presented in the context of a rolling 6-Year Capital Improvement Projects Plan ("6-Year CIP Plan") and budget. As more fully detailed below, the Administration recommends the Board approve the proposed FY 2021 Supplemental Capital Improvement Projects Budget ("FY 2021 CIP Supplemental Budget") for the University.

With approval, the Administration will submit the FY 2021 CIP Supplemental Budget proposal to the State Department of Budget & Finance for consideration to be included as part of the Governor's budget proposal to the Legislature for:

- (1) University of Hawai'i at Mānoa
- (2) University of Hawai'i at Hilo
- (3) University of Hawai'i at West O'ahu
- (4) University of Hawai'i Community Colleges
- (5) University of Hawai'i System

Chairperson Benjamin Kudo
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Approval by the Board of this FY 2021 CIP Supplemental Budget does not constitute approval of any specific projects identified or anticipated herein. The Administration is still required to obtain all necessary and appropriate Board approvals prior to expenditure as required by applicable law, rules, University policy or University procedure, which includes but is not limited to construction projects exceeding \$5 million, consultant services exceeding \$1 million, and exemptions from the square footage growth moratorium.

RECOMMENDED EFFECTIVE DATE:

Upon board approval.

EXECUTIVE SUMMARY:

At its November 2016 meeting, the Board approved for the first time a strategic and comprehensive 6-Year CIP Plan that successfully meets its mission and objectives, setting forth a new approach for prioritizing capital projects at the University. Improvement and modernization of the University's physical assets is key to delivering the University's Strategic Direction that strives for 21st century facilities for learning, teaching and research. Maximizing the efficiency of both the capital and operational dollar is critical as the University struggles to maintain nearly 14 million gross square feet of facilities and a \$5 billion capital plant, which needs \$125 million annually in capital renewal to prevent the current \$812 million deferred maintenance backlog from increasing.

To this end, the 6-Year CIP Plan identified a facilities modernization and space management strategy to deliver a physical environment that supports and augments the high quality education and research that takes place at our University. This strategy (1) prioritizes classrooms, laboratories, and student spaces with a focus on improving the learning and research environment consistent with current studies on how students learn, (2) targets those facilities with the highest utility and poorest conditions, and (3) changes the paradigm on how the University manages its space by rethinking space as University space, rather than departmental space, to repurpose and consolidate areas to support priority programs and address facility needs through flexible space management.

In alignment with this vision, the 6-Year CIP Plan incorporated the principles of flexible space, shared programming, and modernization while addressing annual renewals and deferred maintenance in a single grouping. Traditional categories of Health, Safety & Code Requirements ("HSCR") and Capital Renewal and Deferred Maintenance

In August 2018, the Board approved an Updated 6-Year CIP Plan for FY 2020 – FY 2025 and a CIP biennium budget request for FY 2020 and FY 2021 in amounts totaling \$295 million and \$319.5 million of general obligations bond funds, respectively. In his CIP Budget request to the Legislature, the Governor included \$150 million in FY20 and \$150 million in FY21 for the University. At the conclusion of the 2019 Legislative Session, the University was appropriated the following:

Fiscal Year	BOR Request	Legislative Appropriation - G.O. Bonds	Legislative Appropriation - Revenue Bonds	Legislative Appropriation – G.O. Bonds with Debt Service Paid from Special Funds
2020	\$295,000,000	\$189,721,000	\$42,800,000	\$4,000,000
2021	\$319,500,000	\$88,500,000	\$4,800,000	\$0

Based on the Legislature's appropriation, and progress that the University has made on various initiatives in the last year, the proposed FY 2021 CIP Supplemental Budget strives to transform the campus landscapes and ultimately the experience that students, faculty and staff have at our University.

SYSTEMWIDE FY 2021 CIP SUPPLEMENTAL BUDGET

Consistent with the 6-Year CIP Plan, this FY 2021 CIP Supplemental Budget is categorized into the following areas:

Project Categories

Major Capital Improvement Projects (Major Projects)	Typically whole building renovations or new structures.
Renew, Improve, & Modernize Projects (RIM Projects)	RIM Projects repair and/or improve campus buildings and infrastructure through modernization efforts. They prioritize classrooms, laboratories, and student spaces centered around improving the learning environment, as well as target those facilities with poorer conditions, through modernizing interior/exterior structures, building roofs, mechanical & electrical systems, pedestrian pathways and roadways. The scope of RIM projects include the planning, design, construction and equipment related to these areas.
Minor Capital Improvement Projects (Minor Projects) – UHCC Only	Minor Projects are a subset of RIM Projects that are separately categorized for the Community Colleges only. They address smaller improvements that prioritize classrooms, laboratories, and student spaces targeted at modernizing the learning and research environment through flexible spaces and shared programming.
Planning Projects	Planning Projects are those initiatives that support or deliver long-term development plans for future capital investments in the physical plant that strategically align with the core mission and vision of the campus.

Integrated Academic and Facilities Plan

The University's Integrated Academic and Facilities Plan ("IAFP") was approved by the Board in April 2017. The IAFP sets forth several guiding principles and priorities as a framework for academic and facilities planning and decision making. Facilities-related guiding principles and priorities include:

- Supporting and rewarding collaboration across all programs and activities

- Increasing enrollment
- Committing to shared use of facilities, particularly costly and specialized facilities, to make the best use of institutional space
- Maximizing long-term flexibility in planning new capital projects to make the best use of institutional space
- Developing a systemwide plan for maximizing opportunities for real estate assets

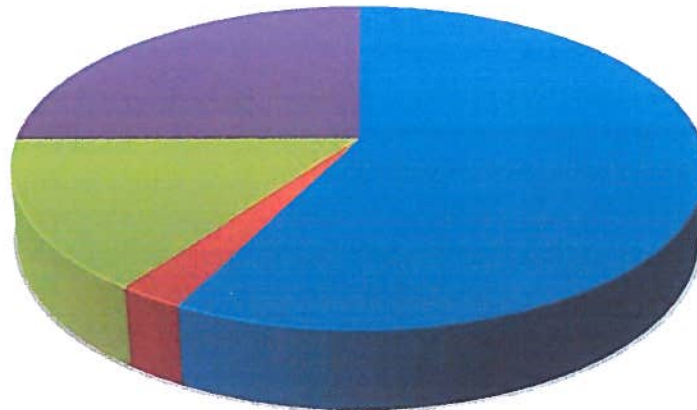
Academic and facility teams across the system coordinated their programming efforts to align the priorities of the campus with their facilities plan. Across the board, increasing and retaining enrollment served as the focal point for prioritizing competing demands. For some campuses, this meant providing modern “student spaces” where studying and collaboration can occur in safe and comfortable environments; for other campuses it meant modernizing existing classroom and laboratory spaces to deliver an interactive learning experience through a combined program of hands-on learning with traditional pedagogy.

The principles and priorities set forth in the IAFP have been incorporated into the University's updated 6-Year CIP Plan and the proposed FY 2021 CIP Supplemental Budget that ultimately propose projects that transform the learning and research landscape by:

- Providing quality classrooms that are right-sized to support emerging forms of pedagogy
- Delivering shared innovative and think spaces to support hands-on learning that prepares students for mid-21st century careers
- Utilizing the facility itself as a laboratory for learning sustainable practices and principles

Systemwide FY2021 CIP Supplemental Budget Request by Campus

Total: \$236.5M



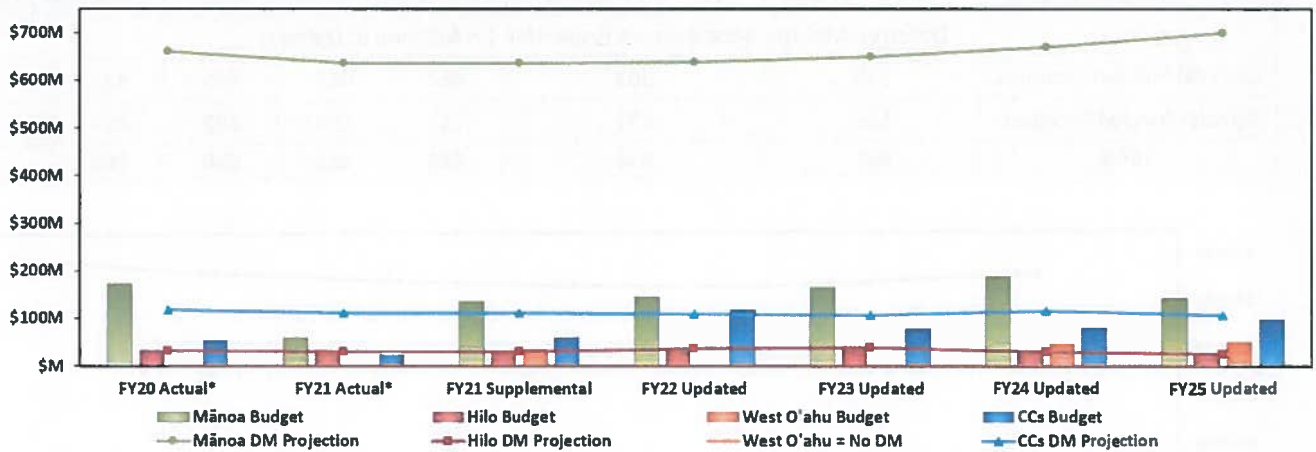
■ Mānoa (\$135.5M) ■ Hilo (\$6M)
■ West O'ahu (\$35.5M) ■ CCs (\$59.5M)

The proposed systemwide FY 2021 CIP Supplemental Budget anticipates a request of \$236.5 million in FY 2021. For FY 2021, the scheduled capital renewal program is \$125 million. Fully funded, this budget is anticipated to address a total of \$66 million in capital renewal and deferred maintenance. The total deferred maintenance balance for all campuses will decrease by \$34 million, from \$812 million to \$778 million.

Updated Systemwide 6-Year CIP Plan (FY 2020-2025)
Total: \$1,781.821

Campus	Updated 6-Year Budget Request (Millions of Dollars)								
	FY20 Updated	FY20 Actual*	FY21 Actual*	FY21 Supplemental	FY22 Updated	FY23 Updated	FY24 Updated	FY25 Updated	6-Year Total
Mānoa	181.5	172.55	59.8	135.5	145.5	165.5	187.5	143.5	1,009.85
Hilo	24	8.321	8	6	22.5	17.5	20	26	108.321
West O'ahu	9	1	1	35.5	5	5	46.5	51.5	145.5
Community Colleges	80.5	54.65	24.5	59.5	120.5	79	81	99	518.15
Total	295	236.521	93.3	236.5	293.5	267	335	320	1,781.821

Deferred Maintenance Balance Projection (in Millions of Dollars)							
Mānoa	661	636	638	651	670	701	
Hilo	33	30	36	38	30	26	
West O'ahu	0	0	0	0	0	0	
Community Colleges	118	112	110	108	116	108	
Total	812	778	784	797	816	835	



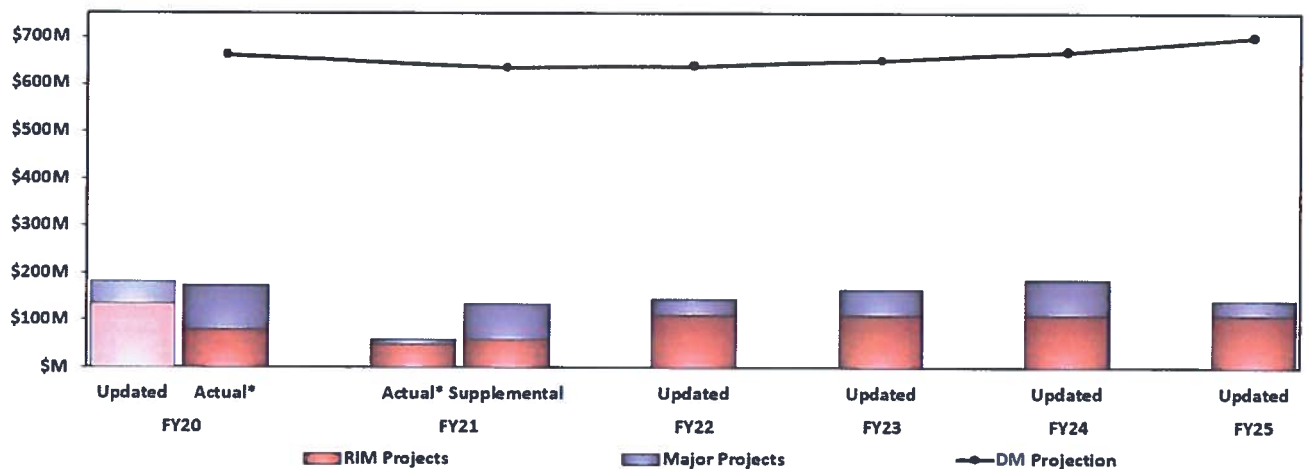
*Reflects actual appropriation by the 2019 Legislative Session

UH Mānoa FY 2021 CIP Supplemental Budget and Updated 6-Year CIP Plan

Updated UH Mānoa 6-Year CIP Plan (FY 2020-2025)
Total: \$1,009.85M

Project	Updated 6-Year Budget Request (Millions of Dollars)								
	FY20 Updated	FY20 Actual*	FY21 Actual*	FY21 Supplemental	FY22 Updated	FY23 Updated	FY24 Updated	FY25 Updated	6-Year Total
RIM Projects	135.5	79	49	60.5	110.5	110.5	110.5	110.5	630.5
Student Success Center	41	41							41
Mini Master Plan Phase 2			6	66					72
Kuykendall Hall	2			4		54		28	86
Holmes Hall	2			1	5		1	5	12
Central Admin Facility with Parking				4	30		62		96
Portable Demolition Program						1	10		11
Keller Hall	1						4		4
Additional Initiatives		52.55	4.8						57.35
Total	181.5	172.55	59.8	135.5	145.5	165.5	187.5	143.5	1,009.85

Deferred Maintenance Balance Projection (in Millions of Dollars)								
General Funded Facilities	535		503	487	487	488	485	
Special Funded Facilities	126		133	151	164	182	216	
Total	661		636	638	651	670	701	



*Actual reflects funds appropriated by the Legislature

UH Mānoa's FY 2021 CIP Supplemental Budget presents a diversified portfolio of major capital projects and various RIM Projects that strategically pace major construction with smaller upgrades on the campus. It anticipates a total of \$109.5 million in FY21.

The FY 2021 CIP Supplemental Budget and updated 6-year CIP plan for the Mānoa campus reflects a continuation of the shift from a building-by-building approach to a more holistic method based on goals and objectives that are aligned with the campus mission and priorities. It is also consistent with a number of planning initiatives UH Mānoa is in the process of completing over the course of the next few years, which will ultimately inform a long-term vision for the UH Mānoa campus.

In January 2017, the Mānoa campus embarked on an initiative to develop a strategic space utilization plan by developing a baseline analysis of current facility utilization and generating strategies to align facilities with future program needs. This initiative has also informed the development of the Mānoa Campus Physical Plan ("MCPP"), a 20-year vision to integrate the physical development of the UH Mānoa campus with the University's strategic initiatives and academic mission. The MCPP is on schedule to be completed in 2018. Following this, UH Mānoa will finalize an updated Long Range Development Plan for submission to the City and County of Honolulu under a Plan Review Use application.

The MCPP builds upon the planning already completed through the University's IAFP, which was approved by the Board in April 2017. The IAFP's guiding principles and priorities for the University include collaborating across all programs and activities, increasing enrollment, and maximizing long-term flexibility and making the best use of institutional space by implementing shared classrooms and resources. Consistent with these principles, the FY 2021 CIP Supplemental Budget and updated 6-year CIP plan shown below adopt redefined projects that incorporate five strategic objectives that were identified based on high-priority facilities-related concerns for the Mānoa campus: (1) Space utilization and effectiveness; (2) Student retention; (3) Campus experience; (4) Zoned functions; and (5) Sustainability.

Major Projects

Mini Master Plan Phase 2 (Previously Snyder Hall Replacement)

In August 2015, the Board approved the Mānoa Mini Master Plan that decreases the overall square footage on the campus:

- Phase 1: Demolish Henke Hall and Snyder Hall & construct Life Sciences Building
- Phase 2: Construct Snyder Hall replacement building

- Phase 3: Demolish and replace Kuykendall

Currently, Phase 1 of the 3-Phase Mini Master Plan is actively underway. Henke Hall has been demolished and construction has begun on the new Life Sciences building, which is scheduled to be completed in Spring 2020.

In 2019, the Legislature appropriated \$6 million in FY21 for design, construction, and equipment for renovations, replacements, new facilities, and improvements for the Snyder Hall Replacement; demolition of existing facilities and related infrastructure; ground and site improvements; equipment and appurtenances. This funding is expected to be supplemented by \$10.7 million in revenue bonds which was appropriated by the Legislature in 2019 for Parking Structure Improvements (total appropriation of \$38 million in revenue bonds).

Together with the \$66 million budget request, these funds will be used to construct a single-story parking structure with approximately 100 additional stalls above the existing surface parking lots behind Spalding Hall and the Queen Lili'uokalani Center for Student Services; complete the design and construction of the Snyder Hall Replacement, a 54,000 sf modern facility with offices and faculty resources; and hardscape a pedestrian friendly pathway on campus road from Metcalf to Varney Circle (no public vehicles).

Programming of the Snyder Hall replacement facility is underway and will be ready for design-build construction in fiscal year 2021 for approximately \$66 million. As the Mānoa Mini Master Plan relies on using the Life Sciences Building as surge space while a Snyder Hall replacement is built in Phase 2, the updated 6-year CIP plan has pushed out the funding requests for all major CIP projects in the 6-year CIP plan.

Kuykendall Hall

The FY 2021 CIP Supplemental Budget anticipates \$4 million for the programming and design of Kuykendall Hall improvements while the updated 6-year CIP plan additionally anticipates \$54 million in FY23 for the construction of classrooms and \$28 million in FY25 for the construction of offices in Kuykendall towers. Kuykendall Hall is one of the most heavily utilized classroom buildings on the UH Mānoa campus. The 80,000-square-foot, 54-year-old facility consists of a four story classroom building connected to a seven story office building. Unfortunately, the existing configuration and room layout is not conducive to an educational environment. An analysis is currently underway to determine if it is more cost effective to demolish or renovate the facility to continue to primarily serve as a general education classroom and administration facility.

Holmes Hall

Holmes Hall houses the Engineering College and was originally completed in 1972. Since its original construction, the building has not undergone any modernization to adapt classroom and lab space to changes in teaching programs and to meet the demands of increasing enrollment. While the building's air conditioning system was modified to be part of a chiller loop serving multiple buildings in the vicinity, the building spaces remain mostly untouched. This project would address the deferred maintenance backlog while modernizing classrooms, laboratories and mechanical, electrical and communications systems. The FY 2021 CIP Supplemental Budget and updated 6-year CIP plan requests \$1 million in FY21 and \$5 million in FY22 for the design and renovation of specified laboratories and/or classrooms in Holmes Hall, respectively, and anticipates additional design and construction funds of \$1 million in FY24 and \$5 million in FY25.

Central Admin Facility with Parking

The FY21 CIP Supplemental Budget requests \$4 million in design and programming in FY21 and anticipates construction funds of \$30 million in FY22 and \$62 million in FY24 for a Central Admin Facility with parking. This project will create a new 55,000 sf facility that will consolidate the administrative offices scattered across the Mānoa campus. The project site is located at the intersection of East-West Road and Maile Way, where the current Campus Services building is located. The project will yield a net reduction of square footage on campus through the demolition of the existing Campus Services building and the associated removal of existing portable buildings as explained in the Portable Demolition Program below.

Immediately adjacent to the administrative building will be a new parking facility with over 400 parking stalls, located on the site of the current surface parking lot. The multi-level parking structure will provide parking for the occupants of the administrative facility, and offset surface parking that will be removed from Correa Road and several other surface lots. Vehicular access to the parking facility will be along Maile Way and East-West Road, which are the current means for accessing the existing surface parking. A traffic study will be completed prior to the initiation of this project; no change is anticipated to overall impact.

Portable Demolition Program

The Portable Demolition Program anticipates \$1 million in design and programming in FY23 and \$10 million in construction in FY24. This project provides for the takedown of approximately 46 portable and temporary structures on campus as part of the University's effort to reduce total square footage and reduce deferred maintenance costs associated with aging portable buildings. The occupants of the portable buildings will be relocated to existing underutilized facilities or to the Central Admin Facility once construction is complete. The project will remove approximately 100,000 square feet of space and

includes portables and cottages such as the Lincoln Annexes, Bachman Annexes, Krauss Annexes, Financial Management portables, Transportation/Facilities Services portables, UH Press portables, and Makai Campus portables.

This project is consistent with the Board of Regents' Resolution Supporting Moratorium on Square Footage Growth, approved on June 7, 2018, which resolves that "there shall be a moratorium on all new construction that results in an increase in the total campus building square footage without an equivalent reduction in square footage on any campus with an overall deferred maintenance backlog greater than 10% (ten percent) of the replacement value of its facilities."

With the removal of Henke Hall, Snyder Hall, Campus Services and 46 portables from Mānoa's asset inventory, there is a net decrease of 38,500 square feet after the addition of the Life Sciences Building, Snyder Hall Replacement and Central Admin Facility. The square footage breakdown is as follows:

Building	Added or Removed Square Footage
<i>Added Square Footage</i>	
Life Sciences Building	76,000
Snyder Hall Replacement	48,000
Central Admin Facility	55,000
<i>Removed Square Footage</i>	
Henke Hall	(25,000)
Snyder Hall	(61,000)
Campus Services	(21,500)
46 Portables	(110,000)
Net Square Footage	(38,500)

Keller Hall

The renovation of Keller Hall and Physical Science is the first step toward the establishment of a STEM zone to increase space utilization and effectiveness, increase student retention, improve the campus experience, and improve the consolidation of campus functions and programs into particular zones on campus. Keller Hall is connected to Physical Science via several open air walkways and is physically located on the makai side of McCarthy Mall, the center of undergraduate learning on the Mānoa campus. As such, the STEM zone would allow for the consolidation of STEM programs and provide improved and modernized classrooms and laboratory spaces to accommodate growing program interest and enrollment. The FY 2021 CIP Supplemental Budget seeks \$4 million in FY24 for the programming of Keller Hall and Physical Science, and anticipates construction funds in FY27.

RIM Projects

A critical component of Mānoa's 6-Year CIP Plan calls for a steady infusion of RIM funds. RIM funds are used to renovate, improve and modernize classrooms, laboratories, and offices into quality learning, teaching and working spaces. Instead of traditional classrooms lined with rows of single desks, movable and flexible furniture allows for various seating options that encourage small group discussions and hands-on learning configurations. The incorporation of technology is also critical to modern classroom spaces. In many of our current buildings, there is inconsistent access to wireless internet and technology via projectors, laptops or tablets. New spaces will have updated and better access to technology, which is critical to taking the University into the 21st century.

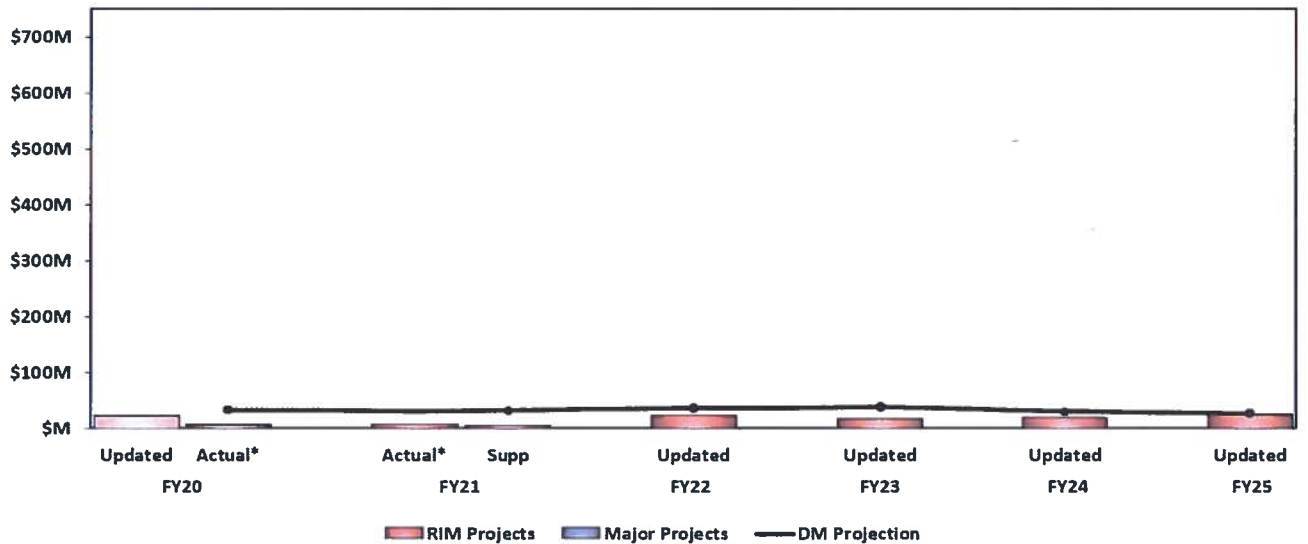
Moreover, when all segments of Mānoa's campus community were surveyed and/or interviewed, a consistent concern over the general pathway and lighting conditions throughout the lower and upper campus areas were expressed. Students, employees, and visitors find crumbling walkways, odd intersects of pedestrian and bike pathways with vehicle thoroughfares, and limited lighting to be uninviting conditions that dissuade them from staying on campus. Additionally, several comments were made on the overall lackluster appearance of the exterior of our buildings. Improvements will be made in these areas under the RIM program.

Project	FY21 Supplemental Budget Request
RIM Projects	\$60.5M
Mini Master Plan Phase 2	\$66M
Central Admin Facility with Parking	\$4M
Kuykendall Hall	\$4M
Homes Hall	\$1M
TOTAL	\$135.5M

UH Hilo FY 2021 CIP Supplemental Budget and Updated 6-Year CIP Plan

**Updated UH Hilo 6-Year CIP Plan (FY 2020-2025)
 Total: \$108.321M**

Project	Updated 6-Year Budget Request (Millions of Dollars)								6-Year Total
	FY20 Updated	F20 Actual*	FY21 Actual*	FY21 Supplemental	FY22 Updated	FY23 Updated	FY24 Updated	FY25 Updated	
RIM Projects	21	5	8	6	22.5	17.5	20	22.5	101.5
Pharmacy Laboratory Improvements	3	3							3
Puako Marine Education Center, Phase I								3.5	3.5
Additional Initiatives		0.321							0.321
Total	24	8.321	8	6	22.5	17.5	20	26	108.321
Deferred Maintenance Balance Projection (in Millions of Dollars)									
General Funded Facilities	26		22		28	26	18	9	
Special Funded Facilities	7		8		8	12	12	17	
Total	33		30		36	38	30	26	



*Actual reflects funds appropriated by the Legislature

UH Hilo's FY 2021 CIP Supplemental Budget requests \$6 million in FY21 in RIM funding, which focuses on capital renewal and modernization efforts. This will address approximately \$3.6 million of UH Hilo's deferred maintenance backlog in FY21.

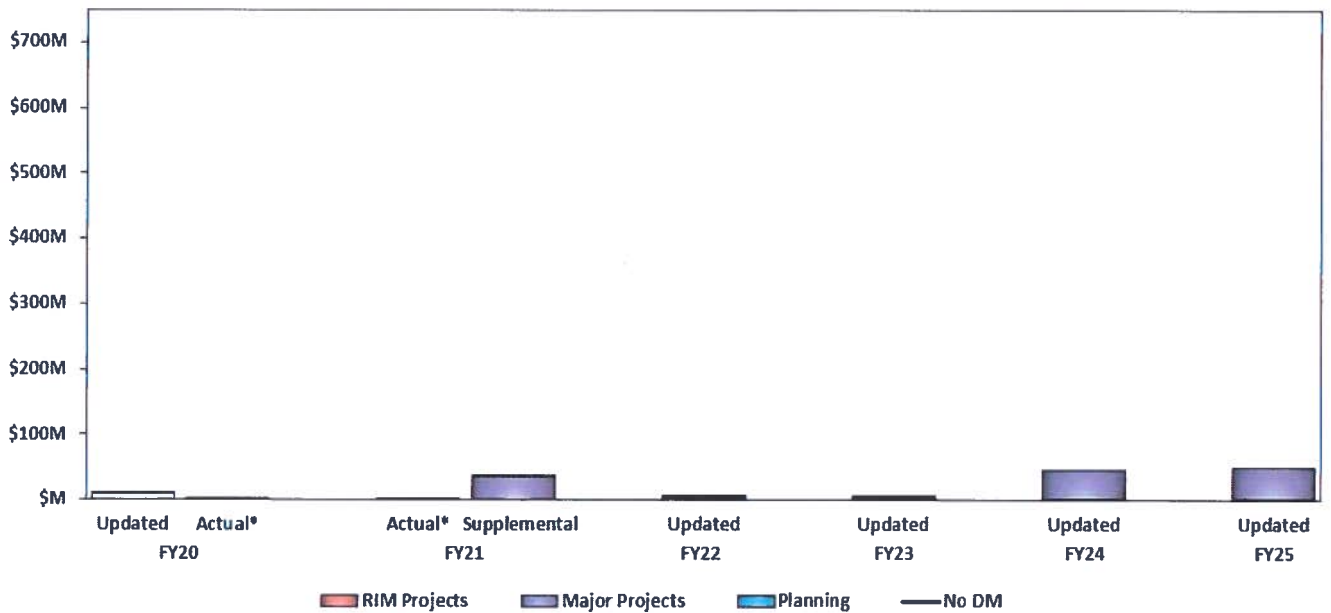
UH Hilo did not make significant changes to its 6-Year CIP Plan.

Project	FY21 Supplemental Budget Request
RIM Projects	\$6M
TOTAL	\$6M

UH West O'ahu FY 2021 CIP Supplemental Budget and Updated 6-Year CIP Plan

**Updated UH West O'ahu 6-Year CIP Plan (FY 2020-2025)
 Total: \$145.5M**

Project	Updated 6-Year Budget Request (Millions of Dollars)								6-Year Total
	FY20 Updated	F20 Actual	FY21 Actual	FY21 Supplemental	FY22 Updated	FY23 Updated	FY24 Updated	FY25 Updated	
RIM Projects	0.5	1.0	1.0		2	1.50	1.5	1.5	8.5
Planning	0.5			0.5	0.5	1			2
Campus Center Phase 2				35					35
General Education Building I	1				2.5		40		42.5
General Education Building II						2.5		45	47.5
Development & Infrastructure	7						5	5	10
Total	9	1	1	35.5	5	5	46.5	51.5	145.5
Deferred Maintenance Balance Projection (in Millions of Dollars)									
Total	0	0	0	0	0	0	0	0	



*Actual reflects funds appropriated by the Legislature

Planning

UH West O'ahu's FY 2021 CIP Supplemental Budget anticipates \$500,000 for planning to conduct focus market studies for campus housing.

Campus Center, Phase 2

The FY 2021 CIP Supplemental Budget also requests \$35 million for the construction of Campus Center, Phase 2. In 2018, the Legislature appropriated \$5 million in FY19 to design Campus Center, Phase 2 and relocate the existing bookstore. Of these funds, \$2.2 million were allocated for the design of Campus Center, Phase 2. This request is for funding to construct the project which was originally funded by the legislature in FY19. This project would create a center for student life and academic support by creating flexible spaces for group study, student organizational meetings, academic advising and student support services. It would also incorporate a testing and tutoring center, currently housed in the library, and a recreational space that includes a basketball/volleyball court and lockers. These spaces would allow the current student lounge in the campus center, a large space with no partitioning and limited functionality for small group meetings, to be repurposed. The recreational space would expand UH West O'ahu's student offerings as the existing Pueo Fitness Center of approximately 500 square feet can accommodate only a handful of fitness machines and equipment.

General Education Building I

UH West O'ahu also anticipates \$2.5 million in FY22 and \$40 million in FY24 for the design-build construction of General Education Building I as part of its 6-Year CIP Plan. The campus is anticipating enrollment growth over the next 10 or more years and is responding to workforce needs and projected student demand. General education classroom facilities will be needed to accommodate shared spaces and encourage multi-disciplinary academic curricula and programs. General Education Building I will house the education division with a focus on: teacher preparation and education leadership development, offering on-site training, educational research, and professional development. Classrooms and other facilities will serve as laboratories for studying and collaborating on teaching, learning and child development. The building would primarily support the education, STEM, humanities and social science programs.

General Education Building II

Additionally, UH West O'ahu's 6-Year CIP Plan anticipates \$2.5 million in FY23 and \$45 million in FY25 for the design-build construction of General Education Building II. This building will be a vibrant hub for student innovators and entrepreneurs – a place to learn, innovate, and launch start-ups. The availability of classrooms, innovation spaces, co-working spaces, and tech labs/workshops will encourage partnering across academic

programs (IT, Cyber Security, Business, etc.) and enable students to learn about entrepreneurship and business by working across disciplines. A much needed Information Technology Center would also be incorporated into the facility.

Development and Infrastructure

In FY24 and FY25, UH West O’ahu’s 6-Year CIP Plan also anticipates \$5 million in each year for development and infrastructure. To expand the development of campus and non-campus lands to vacant areas, site infrastructure must extend beyond the reach and capacity of current roadways and utilities. Project-by-project funding does not provide sufficient funding for major off-site infrastructure improvements. The project scope includes master planning, design, and construction of roadways and utilities, and other related appurtenances to support the phased development of the University’s lands.

Given that UH West O’ahu is in its eighth year at its permanent campus in east Kapolei and committed to continually addressing repair and maintenance issues as needed, it currently does not have a deferred maintenance backlog.

UH West O’ahu continues to update its Long Range Development Plan Update from 2006. The Plan will continue to provide a policy framework for ongoing and future development decisions, including a revised site master plan that addresses land use, infrastructure, mobility and circulation for the 500 acre Makai property. In addition, UH West O’ahu is in the final stages of developing a comprehensive Institutional Strategic Action Plan (2018-2028) that builds on the University of Hawai’i – West O’ahu Strategic Plan (2015-2020) which was detailed in the 6-Year CIP Plan. UH West O’ahu envisions a supportive and dynamic learning environment with a transdisciplinary focus through innovation, sustainability, and leadership. The benefits of this new comprehensive plan will be a 10-year plan that addresses enrollment management, academics and student success, capital and budget, land and facilities, IT, marketing and other areas.

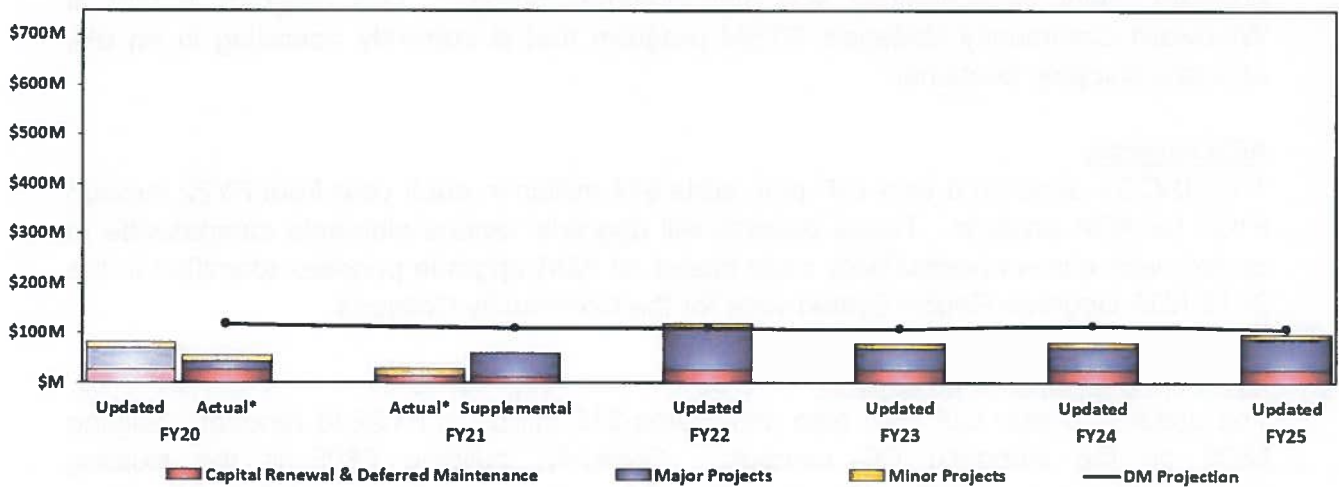
Aside from the addition of Campus Center Phase 2, which was originally a legislative initiative, UH West O’ahu did not make significant changes to its 6-Year CIP Plan.

Project	FY21 Supplemental Budget Request
Planning Projects	\$0.5M
Campus Center Phase 2	\$35M
TOTAL	\$35.5M

UH Community College System FY 2021 CIP Supplemental Budget and Updated 6-Year CIP Plan

**Updated UHCC 6-Year CIP Plan (FY 2020-2025)
 Total: \$518.15M**

Project	Updated 6-Year Budget Request (Millions of Dollars)								6-Year Total
	FY20 Updated	FY20 Actual*	FY21 Actual*	FY21 Supplemental	FY22 Updated	FY23 Updated	FY24 Updated	FY25 Updated	
Capital Renewal & Deferred Maintenance	25	25	14.5	10.5	25	25	25	25	150
Minor Projects	10	14	10		10	10	10	10	64
Honolulu CC Science Building	43.5			46					46
ADA Projects					14	14	14	14	56
Hawai'i CC Campus Development	2				50		32	50	132
Honolulu CC Renovation of 8805					15				15
Kapi'olani CC Koki'o					3	30			33
Hawai'i CC CTAHR Farm					3.5				3.5
Windward CC Agripharmatech Bioprocessing Facility				3					3
Additional Initiatives		15.65							15.65
Total	80.5	54.65	24.5	59.5	120.5	79	81	99	518.15
Deferred Maintenance Balance Projection (in Millions of Dollars)									
Total	118			112	110	108	116	108	



*Actual reflects funds appropriated by the Legislature

CRDM and Minor CIP

The UH Community College System's (UHCC) FY 2021 CIP Supplemental Budget focuses on a facilities program that minimizes deferred maintenance while enhancing student learning through the creation and implementation of design standards for classrooms and laboratories that reflect modern teaching approaches. The FY 2021 CIP Supplemental Budget seeks \$10.5 million for CRDM Projects to supplement the initial \$14.5 million in funding for FY21 CRDM projects that the Legislature appropriated in 2019. This is consistent with an annual lump sum request of \$25M for CRDM and \$10M for Minor CIP projects throughout UHCC's 6-Year CIP Plan.

Honolulu CC Science Building

The FY 2021 CIP Supplemental Budget anticipates \$46 million for the design and construction of a Science Building at Honolulu Community College. This building will be a new, multi-story science facility that includes classrooms, offices and laboratories for various science and technology-related programs and training. Currently, the building that houses the majority of Honolulu CC's science and technology programs was built 50 years ago and, as a result of its age, can no longer keep pace with rapidly changing technologies. This is especially critical as Honolulu CC's expertise lies in the areas of applied science and technological workforce development and science provides the foundation for those areas.

Windward CC Agripharmatech Bioprocessing Facility

The FY 2021 CIP Supplemental Budget requests \$3 million for an Agripharmatech Bioprocessing Facility at Windward Community College. This will be a new, temporary facility to provide a dedicated classroom and wet/dry lab space for the Agripharmatech program (plant biotechnology and ethnopharmacognosy). This program is part of Windward Community College's STEM program that is currently operating in an old, obsolete shipping container.

ADA Projects

The UHCC's updated 6-year CIP plan adds \$14 million in each year from FY22 through FY25 for ADA projects. These projects will upgrade various elements campuswide to comply with current accessibility code based on ADA upgrade priorities identified in the 2019 ADA Upgrade Report Systemwide for the Community Colleges.

Honolulu CC Renovation of 8805

The updated 6-year CIP plan also anticipates \$15 million in FY22 to renovate building 8805 on the Honolulu CC campus. Currently, building 8805 is the existing science/laboratory building on campus. Once a new science building has been

constructed (\$46 million request in FY21 supplemental budget), building 8805 can be repurposed as a student center. As building 8805 is centrally and ideally located adjacent to the newly renovated cafeteria and courtyard, the campus hopes to transform building 8805 into a campus hub where students can access student services and gather to encourage students to spend more time on campus.

Kapi'olani CC Koki'o

The updated 6-year CIP plan anticipates \$3 million in FY22 and \$30 million in FY23 to renovate Koki'o at Kapi'olani CC. Koki'o is a science and laboratory building which will be renovated and expanded to provide updated science classrooms and laboratories, as well as other STEM and general purpose classrooms.

Hawai'i CC Campus Development

The updated 6-year CIP plan anticipates \$50 million in FY22, \$32 million in FY24 and \$50 million in FY25 for the development of a new campus for Hawai'i Community College in Hilo. In 2019, UHCC was appropriated \$14 million for minor CIP projects in FY20. \$2 million of the minor CIP appropriation is expected to be used for the design of this project. This project will include ground and site improvements, infrastructure, on-site and off-site improvements, equipment and appurtenances, new facilities, parking, and all project-related costs. Current facilities at the Manono campus are sorely inadequate given that many of the structures were designed and constructed in the 1940s, 1950s and 1960s as part of the Department of Education's Hawai'i Vocational School. A major upgrade in the physical plant is needed to provide students with adequate facilities to pursue post-secondary educational opportunities that will ultimately support local economic development initiatives. The improvements are also needed to address findings by the Accrediting Commission for Community and Junior Colleges reporting the inadequacy of facilities located at the Manono Campus. Continued use of the substandard facilities at the Manono Campus will have negative impacts on the effectiveness and quality of Hawai'i Community College educational programs and provide increasing challenges in meeting student recruitment and retention goals.

Hawai'i CC CTAHR Farm (Previously Hawai'i CC Panaewa Farm)

The updated 6-year CIP plan anticipates \$3.5 million in FY22 for renovations to CTAHR Waiakea Research Station in Hilo. Previously, this project was for Hawai'i CC Panaewa Farm, but it has since been modified due to a recent partnership with CTAHR to provide agriculture programs for Hawai'i CC students at the Waiakea Research Station in lieu of creating a duplicative agriculture program. The funding will be used to construct a new shade house and accessory farm structures.

Aside from the addition of legislative initiatives, ADA projects and Honolulu CC 8805 Renovation, the Community College System did not make significant changes to its 6-Year CIP Plan.

Project	FY21 Supplemental Budget Request
Capital Renewal & Deferred Maintenance	\$10.5M
Honolulu CC Science Building	\$46M
Windward CC Agripharmatech Bioprocessing Facility	\$3M
TOTAL	\$59.5M

ACTION RECOMMENDED:

In accordance with Regent Policy 8.204, it is recommended that the Board approve the proposed FY 2021 Supplemental Capital Improvement Program Budget for the University:

Campus	Project	MOF	FY21 Supplemental Budget Request
M	RIM Projects	C	\$60.5M
M	Mini Master Plan Phase 2	C	\$66M
M	Kuykendall Hall	C	\$4M
M	Homes Hall	C	\$1M
M	Central Admin Facility with Parking	C	\$4M
H	RIM Projects	C	\$6M
WO	Planning Projects	C	\$0.5M
WO	Campus Center Phase 2	C	\$35M
CC	Capital Renewal & Deferred Maintenance	C	\$10.5M
CC	Honolulu CC Science Building	C	\$46M
CC	Windward CC Agripharmatech Bioprocessing Facility	C	\$3M
	TOTAL		\$236.5M

With approval, the University will submit the FY 2021 CIP Supplemental Budget proposal to the State Department of Budget & Finance for consideration to be included as part of the Governor's budget proposal to the Legislature. Approval by the Board of this FY 2021 CIP Supplemental Budget does not constitute approval of any specific projects identified or anticipated herein. The Administration is still required to obtain all necessary and appropriate Board approvals required by applicable law, rules, University policy or University procedure, which includes but is not limited to construction projects exceeding \$5 million, consultant exceeding \$1 million, and exemptions from the new building moratorium.



UNIVERSITY
of HAWAII
HILO

19 NOV 15 P3:16

November 21, 2019

RECEIVED

TO: BENJAMIN KUDO
Chairperson, Board of Regents

19 NOV 15 P3:15

VIA: DAVID LASSNER
President

Handwritten signature of David Lassner in blue ink.

UNIVERSITY OF HAWAII
PRESIDENT'S OFFICE

FROM: *fu* BONNIE IRWIN
Chancellor

Handwritten signature of Bonnie Irwin in blue ink.

SUBJECT: APPROVAL OF AMENDMENT TO THE FISCAL YEAR (FY) 2020-2021
CIP SUPPLEMENTAL BUDGET REQUEST

SPECIFIC ACTION REQUESTED:

As more fully explained below, pursuant to Regent Policy 8.204, the Board of Regents of the University of Hawai'i ("Board") is hereby requested to approve an amendment to the Fiscal Year (FY) 2020-2021 capital improvement project (CIP) budget for the University of Hawai'i ("University") to add \$800,000 for renovations at Hale Pōhaku that enhance culture and education.

RECOMMENDED EFFECTIVE DATE:

Upon board approval.

DISCUSSION:

On November 6, 2019, the Board adopted a resolution directing the administration to strengthen its stewardship of Maunakea ("Resolution"). More specifically, it directed the administration to make a CIP request during the 2020 legislative session for monies to plan, design, and construct an educational center at Hale Pōhaku and/or another appropriate site on Maunakea that will educate visitors on cultural, environmental, and astronomy related topics relating to Maunakea.

On September 26, 2019, the Board approved the CIP Supplemental Budget request for FY 2020-2021. To effectuate the direction of the Board set forth in the Resolution, it is

Chairperson Benjamin Kudo
November 21, 2019
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hereby requested that the Board approve an amendment to the FY 2020-2021 CIP Supplemental Budget to add \$800,000 for the following project:

Renovations to Enhance Culture and Education at Hale Pōhaku

This request will provide funds for renovations of existing facilities on developed lands only that enable the enhancement of cultural and education facilities at Hale Pōhaku. This may include minor renovations to the Visitor Information Station, installation of a small educational telescope in a manner that causes no disruption or further development of land (e.g., on existing concrete where utilities are present), and planning for a long-term educational center on Maunakea.

With approval, the University will amend all submittals for the FY 2020-2021 CIP Supplemental Budget proposal to the State Department of Budget & Finance for consideration to be included as part of the Governor's budget proposal to the Legislature.