



1	equipment, which includes a high-speed data farming	
2	infrastructure, turbomolecular vacuum systems, optical	
3	systems, cryogenic systems, precision metrology and	
4	micro-fabrication equipment.	
5	Equipment	2,000,000
6	Total funding	2,000,000
7	D. Les Murakami stadium. Replace floodlight fixtures.	
8	Design	35,000
9	Construction	600,000
10	Total funding	635,000
11	E. George hall. Re-roof makai wing.	
12	Design	25,000
13	Construction	150,000
14	Total funding	175,000
15	F. Webster hall. Re-roof.	
16	Design	25,000
17	Construction	250,000
18	Total funding	275,000
19	G. Pacific biomedical research center. Re-roof.	
20	Design	25,000
21	Construction	150,000
22	Total funding	175,000



1	H.	Keller hall. Re-roof.	
2		Design	25,000
3		Construction	175,000
4		Total funding	200,000
5	I.	Watanabe hall. General mechanical repairs and	
6		upgrades.	
7		Design	75,000
8		Construction	1,000,000
9		Total funding	1,075,000
10	J.	Sakamaki hall (courtyards A and B). Replace and	
11		upgrade air conditioning system, phase I.	
12		Design	75,000
13		Construction	1,500,000
14		Total funding	1,575,000
15	K.	Institute for astronomy. Replace cooling tower and	
16		hot water reheating systems.	
17		Design	75,000
18		Construction	900,000
19		Total funding	975,000
20	L.	Gilmore Hall. Replace and upgrade air conditioning	
21		system, phase I.	
22		Design	75,000



1	Construction	1,500,000
2	Total funding	1,575,000
3	M. Cooke field. Replace turf.	
4	Design	75,000
5	Construction	1,000,000
6	Total funding	1,075,000
7	N. Moore hall. Re-roof.	
8	Design	30,000
9	Construction	200,000
10	Total funding	230,000
11	O. Physical science building. Re-roof.	
12	Design	30,000
13	Construction	200,000
14	Total funding	230,000
15	P. Orvis auditorium. Lighting system replacement and	
16	upgrade.	
17	Design	40,000
18	Construction	150,000
19	Total funding	190,000
20	Q. Kuykendall hall and annex. General repairs and	
21	repainting.	
22	Design	30,000



1	Construction	270,000
2	Total funding	300,000
3	R. Pacific biomedical research center. General repairs	
4	and repainting.	
5	Design	20,000
6	Construction	130,000
7	Total funding	150,000
8	S. Music building complex. Repairs to walkways and	
9	structural systems.	
10	Design	0
11	Construction	1,050,000
12	Total funding	1,050,000
13	T. College of business administration. Improve exterior	
14	drainage.	
15	Design	0
16	Construction	900,000
17	Total funding	900,000
18	U. Physical science building 217, Watanabe buildings 112	
19	and 420 and St. John building 11. Upgrade auditoriums	
20	to include replace seating, air conditioning,	
21	audio/visual systems and carpeting.	
22	Design	148,000



1	Construction	1,070,000
2	Total funding	1,218,000
3	V. Renovate laboratory spaces of the following buildings,	
4	cancer center, Edmundson, HIG, Snyder and MSB.	
5	Renovation to include improved lighting, repair health	
6	and safety issues and other outstanding repairs and	
7	upgrades.	
8	Design	375,000
9	Construction	2,125,000
10	Total funding	2,500,000
11	W. Interior renovations of the following buildings,	
12	George hall, HPER, Bilger hall, IFA, physical science	
13	building and Spalding hall.	
14	Design	375,000
15	Construction	2,125,000
16	Total funding	2,500,000
17	X. CTAHR Off campus facilities. Interior renovations.	
18	Design	240,000
19	Construction	1,360,000
20	Total funding	1,600,000
21	Y. Campus wide sidewalk repairs. Repair walkways to	
22	comply with ADA guidelines.	



1	Design	30,000
2	Construction	200,000
3	Total funding	230,000
4	Z. Holmes, Edmondson and Keller halls. Renovate	
5	classroom spaces.	
6	Design	130,000
7	Construction	1,300,000
8	Total funding	1,430,000
9	AA. Snyder hall, Holmes hall, and Bilger add. Renovation	
10	of laboratory space.	
11	Design	193,000
12	Construction	1,620,000
13	Total funding	1,813,000
14	BB. Temporary buildings. Refurbish of interior spaces.	
15	Construction	900,000
16	Total funding	900,000
17	CC. Hemmenway and Holmes halls and Hamilton library.	
18	Improvements and modification to buildings to comply	
19	with ADA standards.	
20	Design	200,000
21	Construction	2,200,000
22	Total funding	2,400,000



1	DD.	Physical science building, art building and Gilmore	
2		hall. Renovate laboratory spaces.	
3		Design	165,000
4		Construction	1,400,000
5		Total funding	1,565,000
6	EE.	Art building, biomed courtyard B, MSB 110 and 114,	
7		Gartley hall 103, and music #3. Upgrade auditoriums.	
8		Design	165,000
9		Construction	1,425,000
10		Total funding	1,590,00
11	FF.	Magoon laboratory agriculture complex. Install	
12		security fencing.	
13		Design	25,000
14		Construction	200,000
15		Total funding	225,000
16	GG.	Campus wide. Improve and expand irrigation system.	
17		Design	35,000
18		Construction	215,000
19		Total funding	250,000
20	HH.	Dean Hall. Repairs to interior and exterior of	
21		building.	
22		Design	35,000





1	Construction	300,000
2	Total funding	335,000
3	II. Small animal laboratory. Replace incinerator.	
4	Design	35,000
5	Construction	165,000
6	Total funding	200,000
7	JJ. Lyon arboretum. Renovate interior spaces.	
8	Design	100,000
9	Construction	500,000
10	Total funding	600,000
11	KK. Leahi hospital. Renovate interior spaces.	
12	Design	100,000
13	Construction	500,000
14	Total funding	600,000
15	LL. Holmes hall. Renovation of carpenter shop.	
16	Design	35,000
17	Construction	250,000
18	Total funding	285,000
19	MM. Duke Kahanamoku pool. Repair and upgrade floodlights.	
20	Design	0
21	Construction	1,000,000
22	Total funding	1,000,000



1	NN.	Keller hall. Upgrade power distribution systems.	
2		Design	0
3		Construction	200,000
4		Total funding	200,000
5	OO.	Food technology building, Orvis auditorium, Korean	
6		studies building, and law school. Upgrade exit	
7		lighting.	
8		Design	0
9		Construction	200,000
10		Total funding	200,000
11	PP.	Moore hall, HIG, MSB, POST, Snyder and Edmondson	
12		halls. Replace and upgrade exterior lighting.	
13		Design	0
14		Construction	300,000
15		Total funding	300,000
16	QQ.	HIG building. Lighting improvements and retrofits.	
17		Design	40,000
18		Construction	300,000
19		Total funding	340,000
20	RR.	KHET and EHSO trailer. Remove transformer and	
21		switchgear and raise low aerial drop.	



1	Design	15,000
2	Construction	75,000
3	Total funding	90,000
4	SS. St. John, Gilmore, Watanabe, Bilger addition, Sinclair	
5	annexes, Hale Anuenue exterior. Lighting improvements	
6	and retrofits.	
7	Design	60,000
8	Construction	500,000
9	Total funding	560,000
10	TT. Edmondson hall. Upgrade power distribution systems.	
11	Design	75,000
12	Construction	500,000
13	Total funding	575,000
14	UU. Art, business administration, Hamilton library I and	
15	II, Spalding and Holmes hall. Replace and upgrade	
16	switchboards.	
17	Design	50,000
18	Construction	400,000
19	Total funding	450,000
20	VV. Electrical substations. General repairs.	
21	Design	15,000
22	Construction	100,000



1	Total funding	115,000
2	WW. Art Buildings. Replace electrical switchboards and	
3	panels.	
4	Design	10,000
5	Construction	100,000
6	Total funding	110,000
7	XX. Hamilton library phases I and II. Replace secondary	
8	switchboards.	
9	Design	10,000
10	Construction	100,000
11	Total funding	110,000
12	YY. George hall. Upgrade power distribution systems.	
13	Design	30,000
14	Construction	200,000
15	Total funding	230,000
16	ZZ. Bachmann hall, Sherman lab., Miller hall, and George	
17	hall. Lighting improvements and Retrofits.	
18	Design	20,000
19	Construction	120,000
20	Total funding	140,000



1	A1. Biomed, St. John and MSB. Replace refrigeration and	
2	freezer systems.	
3	Design	40,000
4	Construction	400,000
5	Total funding	440,000
6	A2. UHS1. Upgrade power distribution systems.	
7	Design	6,000
8	Construction	44,000
9	Total funding	50,000
10	A3. Sherman lab. Upgrade power distribution systems.	
11	Design	30,000
12	Construction	200,000
13	Total funding	230,000
14	A4. Castle memorial hall. Upgrade power distribution	
15	systems.	
16	Design	25,000
17	Construction	230,000
18	Total funding	255,000
19	A5. University high school. Upgrade water distribution	
20	systems.	
21	Design	40,000
22	Construction	400,000



1	Total funding	440,000
2	A6. Business administration building. Upgrade power	
3	distribution systems.	
4	Design	30,000
5	Construction	300,000
6	Total funding	330,000
7	A7. Holmes hall. Upgrade power distribution systems.	
8	Design	30,000
9	Construction	300,000
10	Total funding	330,000
11	A8. Saunders hall. Upgrade power distribution systems.	
12	Design	15,000
13	Construction	150,000
14	Total funding	165,000
15	A9. UHS#. Upgrade power distribution systems.	
16	Design	25,000
17	Construction	230,000
18	Total funding	255,000
19	A10. HPER building. Reroof.	
20	Design	30,000
21	Construction	250,000
22	Total funding	280,000



1	A11. Holmes hall. Reroof.	
2	Design	8,000
3	Construction	42,000
4	Total funding	50,000
5	A12. Music complex. Reroof.	
6	Design	45,000
7	Construction	300,000
8	Total funding	345,000
9	A13. St. Johns (upper roof). Reroof.	
10	Design	Funded
11	Construction	250,000
12	Total funding	250,000
13	A14. Hamilton library. Reroof.	
14	Design	30,000
15	Construction	250,000
16	Total funding	280,000
17	A15. Sinclair library. Reroof.	
18	Design	25,000
19	Construction	250,000
20	Total funding	275,000
21	A16. Environmental protection facility. Reroof.	
22	Design	10,000



1	Construction	40,000
2	Total funding	50,000
3	A17. CTAHR-off campus facilities. Reroof.	
4	Design	300,000
5	Construction	2,000,000
6	Total funding	2,300,000
7	A18. Marine science building. Reroof.	
8	Design	30,000
9	Construction	220,000
10	Total funding	250,000
11	A19. New student services building. Reroof.	
12	Design	25,000
13	Construction	150,000
14	Total funding	175,000
15	A20. Engineering quad. Reroof.	
16	Design	20,000
17	Construction	180,000
18	Total funding	200,000
19	A21. Henke hall. Reroof.	
20	Design	15,000
21	Construction	85,000
22	Total funding	100,000





1	A22. Building 37. Reroof.	
2	Design	4,000
3	Construction	30,000
4	Total funding	34,000
5	A23. Watanabe hall. Reroof.	
6	Design	30,000
7	Construction	250,000
8	Total funding	280,000
9	A24. Pope lab. Reroof.	
10	Design	20,000
11	Construction	175,000
12	Total funding	195,000
13	A25. Wist addition. Reroof.	
14	Design	75,000
15	Construction	425,000
16	Total funding	500,000
17	A26. Ag. Science engineering building. Reroof.	
18	Design	30,000
19	Construction	140,000
20	Total funding	170,000
21	A27. Dean hall. Reroof.	
22	Design	20,000



1	Construction	100,000
2	Total funding	120,000
3	A28. Building 171D. Reroof.	
4	Design	8,000
5	Construction	30,000
6	Total funding	38,000
7	A29. Speech pathology and audiology building. Reroof.	
8	Design	8,000
9	Construction	80,000
10	Total funding	88,000
11	A30. Gilmore hall. Reroof.	
12	Design	20,000
13	Construction	175,000
14	Total funding	195,000
15	A31. Saunders hall. Reroof.	
16	Design	12,000
17	Construction	100,000
18	Total funding	112,000
19	A32. Kuykendall hall. Reroof.	
20	Design	18,000
21	Construction	150,000
22	Total funding	168,000



1	A33. 18 temporary buildings. Reroof.	
2	Design	22,000
3	Construction	214,000
4	Total funding	236,000
5	A34. School of architecture. Reroof.	
6	Design	45,000
7	Construction	425,000
8	Total funding	470,000
9	A35. University lab. high school #2. Reroof.	
10	Design	20,000
11	Construction	125,000
12	Total funding	145,000
13	A36. University lab. high school #3. Reroof.	
14	Design	30,000
15	Construction	175,000
16	Total funding	205,000
17	A37. University lab. high school #1. Reroof.	
18	Design	25,000
19	Construction	150,000
20	Total funding	175,000
21	A38. University lab. high school locker room. Reroof.	
22	Design	20,000



1	Construction	60,000
2	Total funding	80,000
3	A39. Castle memorial building. Reroof.	
4	Design	45,000
5	Construction	300,000
6	Total funding	345,000
7	A40. University lab. elementary school. Reroof.	
8	Design	35,000
9	Construction	240,000
10	Total funding	275,000
11	A41. Maile way. Resurface roadway.	
12	Design	Funded
13	Construction	250,000
14	Total funding	250,000
15	A42. East-west road. Resurface roadway.	
16	Design	Funded
17	Construction	200,000
18	A43. UH press. Resurface roadway.	
19	Design	8,000
20	Construction	40,000
21	Total funding	48,000



1	A44. CEA, MSB and campus center. Resurface roadway.	
2	Design	40,000
3	Construction	250,000
4	Total funding	290,000
5	A45. College of education and lab. school. Resurface	
6	roadway.	
7	Design	25,000
8	Construction	150,000
9	Total funding	175,000
10	A46. Magoon lab. Resurface roadway.	
11	Design	8,000
12	Construction	40,000
13	Total funding	48,000
14	A47. Motor pool. Resurface roadway.	
15	Design	10,000
16	Construction	50,000
17	Total funding	60,000
18	A48. Mauna Kea. Resurface roadway.	
19	Design	70,000
20	Construction	500,000
21	Total funding	570,000
22	A49. Les Murakami stadium. Replace sports surface.	



1	Design	100,000
2	Construction	1,200,000
3	Total funding	1,300,000
4	A50. Les Murakami stadium. Reroof.	
5	Design	15,000
6	Construction	100,000
7	Total funding	115,000
8	A51. Les Murakami stadium. General mechanical repairs.	
9	Design	35,000
10	Construction	350,000
11	Total funding	385,000
12	A52. Duke Kahanamoku pool. General repairs and repainting.	
13	Design	50,000
14	Construction	300,000
15	Total funding	350,000
16	A53. Cooke field. Replace bleachers.	
17	Design	10,000
18	Construction	100,000
19	Total funding	110,000

20 SECTION 2. The sums appropriated for the respective  
 21 capital projects set forth in section 1 shall be expended by the  
 22 designated expending agency for the purpose of this Act;



1 provided that all construction and renovation work under this  
 2 Act work shall meet or exceed the leadership in energy and  
 3 environmental design silver rating standards for new  
 4 construction and major renovation work (LEED-NC) and existing  
 5 building operations (LEED-EB) established by the United States  
 6 Green Building Council for developing high-performance,  
 7 sustainable buildings.

8 SECTION 3. This Act shall take effect on July 1, 2006.

9

INTRODUCED BY:

Tony Wate

~~Signature~~

Kirk Caldwell

Signature

Alvin G. Antkowi

Signature

Rick Caldwell

John B. Berg

Signature



H.B.NO. 3156

**Report Title:**

UH; CIP

**Description:**

Appropriates funds for capital improvement projects at the University of Hawaii at Manoa.

