SHOVEL READY

CAPITAL IMPROVEMENT PROJECTS

ORGANIZED BY DEPARTMENT

SUMMARY OF DATA*

TOTALS PROJECT AMOUNTS SORTED BY DEPARTMENT	
DEPT.	**AMOUNT**
AGR	40,276,970
AGS	83,602,465
BUF	900,000
DEF	89,258,259
EDN	47,970,200
EDN-HSPLS	15,432,370
HMS	3,753,000
HTH	11,062,729
JUD	3,810,578
LNR	57,812,311
PSD	153,999,990
TRN	13,000,000
TRN-AIR	471,400,000
TRN-HAR	370,600,000
UOH	209,436,172
Grand Total	**1,572,315,044**

Department Key	
ABBREVIATION	**NAME**
AGR	AGRICULTURE
AGS	ACCOUNTING AND GENERAL SERVICES
BUF	BUDGET AND FINANCE
DEF	DEFENSE
EDN	EDUCATION
EDN-HSPLS	EDUCATION - LIBRARIES
HMS	HUMAN SERVICES
HTH	HEALTH
JUD	JUDICIARY
LNR	LAND AND NATURAL RESOURCES
PSD	PUBLIC SAFETY
TRN	TRANSPORTATION ADMINISTRATION
TRN-AIR	TRANSPORTATION - AIRPORTS DIVISION
TRN-HAR	TRANSPORTATION - HARBORS DIVISION
UOH	UNIVERSITY OF HAWAII

***Project information gathered based off of current data. Additional information and details pending.**

SUMMARY OF DATA*

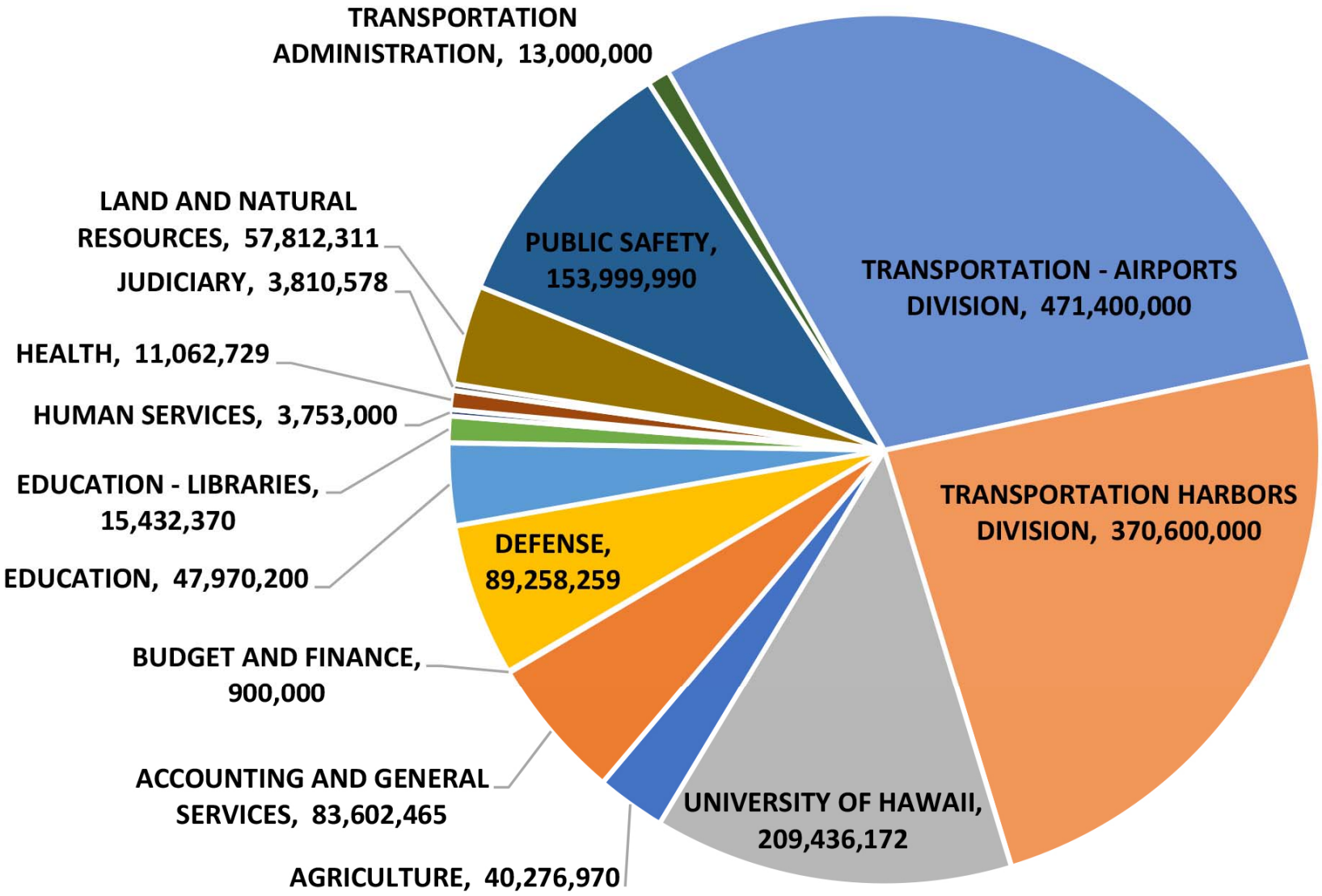
PROJECTS CAPABLE OF 8 MO. COMPLETION	
DEPT	**AMOUNT**
AGR	740,000
AGS	7,976,986
DEF	5,490,259
EDN	6,469,000
EDN-HSPLS	824,750
HMS	1,128,000
PSD	2,261,000
TRN-AIR	1,800,000
TRN-HAR	1,600,000
Grand Total	**28,289,995**

PROJECTS CAPABLE OF 18 MO. COMPLETION	
DEPT	**AMOUNT**
AGR	1,790,000
AGS	29,536,986
DEF	9,206,259
EDN	6,469,000
EDN-HSPLS	4,263,370
HMS	2,028,000
HTH	2,071,316
JUD	3,810,578
PSD	62,799,990
TRN-AIR	187,400,000
TRN-HAR	20,600,000
Grand Total	**329,975,499**

***Project information gathered based off of current data. Additional information and details pending.**

TOTAL SHOVEL READY PROJECT AMOUNT

BY DEPARTMENT



*Project information gathered based off of current data. Additional information and details pending.

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
AGR	REMOVE TAR AT HALAWA FACILITY	REMOVE TAR AT HALAWA FACILITY	500,000
AGR	STATE IRRIGATION SYSTEM RESERVOIR SAFETY IMPROVEMENTS - WAIMANALO RESERVOIR CREST AND EMBANKMENT STABILIZATION	IMPROVEMENTS TO THE RESERVOIR ARE NEEDED TO STABILIZE THE DAM AND PREVENT POTENTIAL FAILURE.	1,000,000
AGR	WAIMANALO IRRIGATION SYSTEM MAUNAWILI VALLEY AND MISCELLANEOUS IMPROVEMENTS, PHASE I!	THE PROJECT WILL IMPROVE EFFICIENCY OF THE WATER DELIVERY	2,500,000
AGR	KAHUKU AGRICULTURAL PARK- PUMP HOUSE AND MISCELLANEOUS IMPROVEMENTS	THE PUMPING STATION IMPROVEMENTS, INCLUDING PUMP REPLACEMENT ARE REQUIRED TO CONTINUOUSLY PROVIDE WATER TO FARMERS IN THE AREA AND CONTINUE AGRICULTURE PRODUCTION.	1,700,000
AGR	WAIMANALO IRRIGATION SYSTEM - BASEYARD IMPROVEMENTS	THE WAIMANALO BASEYARD OFFICE AND STORAGE STRUCTURES ARE SEVERELY DETERIORATED, MAKING THE STRUCTURES VULNERABLE TO VANDALISM, THEFT, AND PEST INFESTATION. THE IMPROVEMENTS ARE NEEDED FOR THE CREW TO SUPPORT THE IRRIGATION SYSTEM AND ENSURE THAT THE FARMERS' WATER SUPPLY IS NOT DISRUPTED.	2,000,000
AGR	STATEWIDE METER REPLACEMENT AND MISCELLANEOUS IMPROVEMENTS - WAIMANALO, WAIMEA, & HONOKAA-PAAUILO IRRIGATION SYSTEMS	THE PROJECT IS NEEDED TO ADDRESS AGING COMPONENTS OF AGRICULTURAL INFRASTRUCTURE AND ALLOW FOR CONTINUED SUPPLY OF AGRICULTURAL WATER TO FARMERS.	2,700,000
AGR	MOLOKAI IRRIGATION SYSTEM - WAIKOLU VALLEY MISCELLANEOUS IMPROVEMENTS	PROJECT IMPROVEMENTS ARE NEEDED FOR WORKERS TO SAFELY ACCESS COMPONENTS OF THE WATER COLLECTION SYSTEM FOR THE MOLOKAI IRRIGATION SYSTEM, ALLOWING THE SYSTEM TO CONTINUE OPERATION	9,300,000
AGR	KAMUELA VACUUM COOLING PLANT - FSMA	PROJECT IMPROVEMENTS ARE NEEDED FOR THE KAMUELA VACUUM COOLING PLANT COOP FARMERS TO HAVE A FACILITY THAT IS IN COMPLIANCE WITH FSMA REGULATIONS .	125,000
AGR	KAMUELA VACUUM COOLING PLANT - DEMOLITION OF EXISTING, UNUSED WAREHOUSE	THE EXISTING, UNUSED WAREHOUSE IS KNOWN TO CONTAIN ASBESTOS AND LEAD-BASED PAINT. DEMOLITION IS NEEDED TO REMOVE THESE CONTAMINANTS.	450,000
AGR	EAST MAUI WATER SYSTEMS IMPROVEMENTS - HONOPOU, KEANAE, & NAHIKU	THE PROJECT WILL IMPROVE AUWAI SYSTEMS AND ENSURE A MORE RELIABLE SOURCE OF IRRIGATION WATER AND SERVE THE TARO FARMERS IN THE EAST MAUI AREA.	490,000
AGR	EAST MAUI WATER SYSTEMS IMPROVEMENTS - WAILUANUI	THE PROJECT WILL IMPROVE AUWAI SYSTEMS AND ENSURE A MORE RELIABLE SOURCE OF IRRIGATION WATER AND SERVE THE TARO FARMERS IN THE EAST MAUI AREA.	2,900,000
AGR	GALBRAITH LANDS - BOTTWELL PUMP IMPROVEMENTS	THE PROJECT WILL CONVERT THE SYSTEM TO BE POWERED BY ELECTRICITY, FOR BETTER RELIABILITY AND REDUCED COST. THE INCREASED RELIABILITY WILL ENSURE THAT FARMERS HAVE AN CONTINUOUS SUPPLY OF WATER. IT WILL ALSO PROVIDE A BACKUP ENERGY SOURCE.	3,061,000
AGR	PATHOLOGY GREENHOUSE	PROVIDE A STATE-OF-THE-ART PATHOLOGY GREENHOUS/QUARANTINE HOUSE FOR RESEARCH WORK TO COMBAT PLANT PEST AND DISEASES. MAY ALSO BE USED FOR ENVIRONMENT CONTROLLED RESEARCH ON WAYS TO REDUCE ENERGY USE, WASTE, AND CARBON.	470,250
AGR	WAIAHOLE WATER SYSTEM IMPROVEMENTS	THIS PROJECT WILL ADD IRRIGATION WATER STORAGE AND A BACKUP WELL IN THE EVENT OF DROUGHT OR WATER SHORTAGE, ALLEVIATING THE NEED TO USE POTABLE WATER FOR IRRIGATION.	3,480,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
AGR	LIVESTOCK FEED MILL	REDUCE FEED COST, WHICH IS 60-70% OF LIVESTOCK PRODUCTION COSTS. BETTER UTILIZE NUMEROUS WASTE STREAMS (E.G. AGRICULTURE, BIODIESEL AND FOOD WASTE) AS ANIMA! FEED INGREDIENTS. LOWER FEED COST WILL REVITALIZE THE STATE'S LIVESTOCK INDUSTRY.	3,000,000
AGR	KEKAHA DITCH IRRIGATION SYSTEM MODIFICATIONS	IMPROVE THE EFFICIENCY OF WATER DELIVERY WITHIN THE KEKAHA DITCH SYSTEM WITH THE INSTALLATION OF PRESSURIZED PIPING.	2,783,000
AGR	ANIMAL QUARANTINE STATION	SEWAGE PRE-TREATMENT FACILITY IMPROVEMENTS	550,000
AGR	MAUI PLANT QUARANTINE GREENHOUSE	REPAIRS AND IMPROVEMENTS	190,000
AGR	DOA KING ST FAC	HUMAN RESOURCES OFFICE, REPLACE PACKAGED AIR CONDITIONING UNIT	250,000
AGR	DOA KING STREET FACILITY	ELEVATOR REPLACEMENT	800,000
AGR	DOA KING STREET FACILITY	BASEMENT WATERPROOFING REPAIRS AND IMPROVEMENTS	447,000
AGR	DOA MAUI FACILITY	AIR CONDITIONING SYSTEM IMPROVEMENTS	432,000
AGR	HALE KANAHOAHOA	FIRE ALARM SYSTEM REPLACEMENT	1,148,720
AGS	HALE KAULIKE PARKING LOT YJ	INSTALL ELECTRIC VHCL CHRGNG STN & RLTD IMPRVMTS	208,300
AGS	STATE CAPITOL BUILDING	REPAIR METAL SOFFITS	3,125,800
AGS	KINAU HALE	REPAIR LANAIS	780,000
AGS	KAUAI DOH VECTOR CONTRL & PLANT INDUSTRY FAC.,	REPAVE PARKING LOT AND DRIVEWAY	360,686
AGS	KEKUANAOA BLDG	UPGRADE ELECTRICAL MAINS	1,850,000
AGS	KAUAI DOH VECTOR CONTROL BUILDING	REPAIR ROOF/GUTTERS AND PAINT EXTERIOR	305,000
AGS	FORMER HONOLULU AIRPORT TOWER, OAHU	NEW COMMUNICATION EQUIPMENT ROOM	350,000
AGS	DAGS BUILDINGS, OAHU	REKEY BUILDINGS AND ENTRANCE DOORS	1,600,000
AGS	WAIPAHU CIVIC CENTER	COURTYARD AND EXTERIOR ELEVATIONS	850,000
AGS	KOHALA STATE OFFICE BUILDING	REPAIR ROOF/SOFFIT AND SEAL EXTERIOR WALLS	158,000
AGS	NAALEHU STATE OFFICE BUILDING	ELECTRICAL UPGRADE	80,000
AGS	KEKAULUOHI BUILDING	ELECTRICAL UPGRADES	360,000
AGS	KEKAULUOHI BUILDING	ELEVATOR UPGRADES	430,000
AGS	KEKAULUOHI BUILDING	ELECTRICAL AND ELEVATOR UPGRADES	1,300,000
AGS	MOLOKAI STATE OFFICE BUILDING NOS. 1 & 2	INSTALL PHOTOVOLTAIC SYSTEMS	440,000
AGS	ICSD KUKUIOLONO RADIO FACILITY, KAUAI	RENOVATE FORMER HI TEL BUILDING & DEMO FORMER HIANG FACILITY	840,000
AGS	HILO STATE OFFICE BUILDING	REROOF	1,975,000
AGS	KINAU HALE, KING KALAKAUA BLDG, & WAIPAHU CIV CTR	RESURF RESTRIPE LOTS L, M, W	200,000
AGS	ICSD KILOHANA RADIO FACILITY, KAUAI	COMMUNICATION TOWER REPLACEMENT	1,480,000
AGS	ICSD KUKUI COMMUNICATIONS FACILITY	COMMUNICATION EQUIPMENT BUILDING REPLACEMENT	800,000
AGS	KAHULUI CIVIC CENTER	UPGRADE ELECTRICAL SWITCHGEAR AND RELATED IMPROVEMENTS	190,000
AGS	STATE CAPITOL BUILDING	RENOVATE ELEVATORS	3,200,000
AGS	KALANIMOKU BUILDING	REPLACE SWITCHGEAR	4,900,000
AGS	DIAMOND HEAD THEATRE	NEW THEATRE, OAHU	1,000,000
AGS	KA HALE A KE OLA HOMELESS RESOURCE CTRS. INC.	DEMO. AND RE-CONSTRUCT BLDG 9	1,000,000
AGS	PACIFIC GATEWAY CENTER	HISTORIC 653 ALA MOANA PUMP STATION REPAIRS	125,000
AGS	CAMP MALUHIA	NEW DINING PAVILION AND MOBILE KITCHEN	500,000
AGS	MAUI ARTS AND CULTURAL CENTER	NEW MAINTENANCE AND EVENT STORAGE BUILDING	1,000,000
AGS	MAUI ARTS AND CULTURAL CENTER	NEW DANCE STUDIOS AND CLASSROOMS	750,000
AGS	HAWAII ISLAND PORTUGUESE CHAMBER OF COMMERCE	CULTURAL AND EDUCATIONAL CENTER	200,000
AGS	KALANI HONUA	LARGE CAPACITY CESSPOOL CONVERSION	100,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
AGS	WAIMANALO COMMUNITY VALUES AND PRIORITIES	PHASE 2-IMPLEMENTATION OF PRIORITIZED INITIATIVES	250,000
AGS	STATE OFFICE BUILDING, STATEWIDE	REMODELING AND UPGRADES FOR FY2019	1,620,679
AGS	BISHOP MUSEUM	LIFE AND SAFETY IMPROVEMENTS	100,000
AGS	DAGS MANAGED OFFICE BUILDINGS AND PARKING	STATEWIDE MASTER PLAN	170,000
AGS	ETS RADIO FACILITIES, STATEWIDE	RADIO SYSTEM ENHANCEMENT FY2020	365,000
AGS	ETS RADIO FACILITIES, STATEWIDE	EMERGENCY GENERATOR AND FUEL SYSTEM UPGRADES	1,480,000
AGS	ETS RADIO FACILITIES, SW	UPGRADE OF COMM EQUIP FOR P25 SYS & TRUNKING, PH 2	1,200,000
AGS	ETS ROUND TOP RADIO FACILITY	TOWER AND FACILITY REPLACEMENT	500,000
AGS	FRIENDS OF THE LIBRARY OF HAWAII	ACQUISITION OF NEW SITE AND FACILITY, OAHU	750,000
AGS	HAWAII COUNTY ECONOMIC OPPORTUNITY COUNCIL	NEW MECH REPAIR & TRAINING FACILITY	300,000
AGS	MAUI YOUTH AND FAMILY SERVICES, INC.	NEW ADMINISTRATION FACILITY	250,000
AGS	PUBLIC FACILITIES & SITES, STATEWIDE	IMPROVEMENTS & MAINTENANCE FOR 2019-2021	28,609,000
AGS	PUBLIC FACILITIES AND SITES, STATEWIDE	PROOF OF CONCEPT FOR 2017-2018	250,000
AGS	SHADE INSTITUTE	PLANNING AND DESIGN FOR WAIPIO POINT ACCESS ROAD IMPROVEMENTS	300,000
AGS	ETS FMS	FMS	17,000,000
BUF	BISHOP MUSEUM	INSTALL FIRE SUPPRESSION SYSTEM	900,000
DEF	DISASTER WARNING SATELLITE MODEM REPLACEMENT	THE DECOMMISSIONING OF THE CURRENT SATELLITE INMARSAT I-3 WILL AFFECT ALL 408 SIREN SATELLITE MODEMS. BACKGROUND INFORMATION FOLLOWS: THE CURRENT SATELLITE MODEM IN USE IS THE DMR800 AND WORKS ON A SYSTEM CALLED ISATM2M SERVICE ON THE INMARSAT SATELLITE I-3 NETWORK THAT HAS AN END-OF-LIFE DATE OF 31 DECEMBER 2020. HI-EMA HAS BEEN USING THIS NETWORK FOR THE PAST THIRTEEN YEARS SINCE 2007. THE NEW PLATFORM CALLED ISATDATA PRO WAS INITIATED IN 2011-2015 ON THE INMARSAT SATELLITE NETWORK I-4 AND REQUIRES A NEW ST 6100 MODEM TO OPERATE. GIVEN OUR PAST EXPERIENCE, THE STATED MISSION LIFE OF THE I-4 SATELLITE AND SUBSEQUENT REPLACEMENT NETWORKS, AND THE EXPRESSED FORWARD COMPATIBILITY OF THE ST1600 MODEM WITH FUTURE INMARSAT SATELLITES WE ARE ESTIMATING A MINIMUM LIFE EXPECTANCY OF TEN YEARS OR MORE FOR THE REPLACEMENT MODEMS.	1,900,000
DEF	DISASTER WARNING AND COMMUNICATION DEVICES (SIRENS)	THE PURPOSE OF THIS REQUEST IS TO PROVIDE FUNDING FOR THE SYSTEM-WIDE REPLACEMENT OF SATELLITE MODEMS USED TO ACTIVATE AND CONTROL DISASTER WARNING SIRENS. THE DISASTER WARNING SIRENS EMPLOY REDUNDANT CELLULAR AND SATELLITE MODEMS TO ENSURE THAT EACH SIREN RECEIVES ACTIVATION AND CONTROL SIGNALS. THE SATELLITE SERVICE USED BY THE SATELLITE MODEM WILL BE DEACTIVATED AT YEAR END 2020 REQUIRING THE SHIFT TO ANOTHER SATELLITE SERVICE AND MODEM TECHNOLOGY. THIS REQUEST IS FOR FUNDS TO PURCHASE REPLACEMENT EQUIPMENT AND INSTALLATION SERVICES TO ACCOMPLISH THIS UPGRADE.	2,500,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
DEF	HSVC COMMITTAL PARKING REPAVEMENT	AT HSVC, THE COMMITAL AREA IS WHERE CEREMONIES ARE HELD BEFORE VETERANS ARE BURIED. THE PARKING LOT THAT IS USED FOR THIS AREA HAS POTHOLES AND CRACKS THAT ARE GROWING IN SIZE. THE POTHOLES ARE A TRIPPING HAZARD TO ALL IN THE AREA, SO STATE MAINTENANCE TRIES TO FILL THESE POTHOLES ONCE A MONTH. BECAUSE THE WRONG MATERIAL IS USED, THE POTHOLES RESURFACE EVERY OTHER MONTH. REPAVING THE PARKING LOT WILL DECREASE THE AMOUNT OF TIMES STATE MAINTENANCE HAS TO FILL THESE HOLES AS A STOP-GAP AND ALSO MITIGATE THE RISK OF TRIPPING.	125,000
DEF	DOD	FORT RUGER, BUILDINGS 90, 90C, AND 90D, VARIOUS REPAIRS AND MAINTENANCE	1,174,235
DEF	EWA BEACH PUBLIC & SCHOOL LIBRARY	SHELTER HARDENING	258,724
DEF	KAUAI VETERANS CEMETERY	ADDITIONAL COLUMBARIUM WALL	213,400
DEF	DIAMOND HEAD CRATER, OPERATIONS SUPPORT CENTER (BUILDING 303)	ROOF REPLACEMENT	368,900
DEF	KAHUKU ELEMENTARY SCHOOL	BUILDING C CAFETERIA, SHELTER HARDENING	225,000
DEF	HAWAII STATE VETERANS HOME, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	75,527,000
DEF	AIEA HIGH SCHOOLS	BLDG'S A & B - SHELTER HARDENING	2,000,000
DEF	DOD FORT RUGER BUILDING 306A	ALTERATIONS	2,100,000
DEF	FORT RUGER STATE MOTOR POOL	ABOVE GROUND FUEL STORAGE TANK	150,000
DEF	DIAMOND HEAD CRATER	EMERGENCY FIBER OPTIC CABLE SYSTEM	1,100,000
DEF	DOD FORT RUGER BUILDING 306A	ALTERATIONS	1,616,000
EDN	MOANALUA HIGH	A REROOF	245,000
EDN	KAU HIGH & PAHALA ELEM	F REROOF/GUTTER	480,000
EDN	KAU HIGH & PAHALA ELEM	M REROOF	580,000
EDN	KONAWAENA ELEM	CAMPUS REPLACE GUTTERS PH2	350,000
EDN	KAIULANI ELEM	B-17 RECARPET CLASSROOM	40,000
EDN	MAUI WAENA INTER	B, C, D, E, G FIRE DOORS	102,000
EDN	WAHIAWA MIDDLE	L REPLACE KITCHEN EXHAUST FAN	196,000
EDN	KAHUKU HIGH & INTER	V REPL BLEACHERS- PH 1	1,000,000
EDN	KALAMA INTER	WT RM REROOF & TENT	190,000
EDN	KALIHI ELEM	B-4 REPLACE CARPET & ACM ABATEMENT	15,400
EDN	KAPIOLANI ELEM	H ROOM 40 RPL FLOOR COVERING	60,000
EDN	KING INTER	DEMO TRAILER	60,000
EDN	KULA ELEM	A REROOF WALKWAY	160,000
EDN	KULA ELEM	B INSTL GTR NE END	40,000
EDN	KULA ELEM	P2 INSTL SEC SCRN	40,000
EDN	KULA ELEM	P6 INSTL SEC SCRN	40,000
EDN	KULA ELEM	CAMPUS RPR IRR	124,000
EDN	KULA ELEM	A INSTL SEC SCREENS	30,000
EDN	KULA ELEM	D ADD AIR CURTAINS	110,000
EDN	KULA ELEM	D RPL GUTTER & D/S	80,000
EDN	KULA ELEM	F RPL GUTTER & D/S	160,000
EDN	KULA ELEM	A&D RPL GUTT & DNSPT	120,000
EDN	KULA ELEM	C5-6 RPL W/ VCT	110,000
EDN	LUNALILO ELEM	A,B,C REPAIRS AND PAINT RAILINGS	160,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
EDN	MANOA ELEM	D RPL WNDWS RMS 11, 12 & 13	120,000
EDN	MAUI HIGH	K RPL BOILER	290,000
EDN	RED HILL ELEM	B REPLACE RAILINGS	390,000
EDN	WAILUKU ELEM	L38-41 RPL W/ VCT	100,000
EDN	WAILUKU ELEM	K24-28 RPL W/ VCT	120,000
EDN	WAILUKU ELEM	G RPL CARPET W/ VCT	210,000
EDN	FARRINGTON HIGH	I, RENOVATE 1ST FLR REST/ROOMS	600,000
EDN	FARRINGTON HIGH	AW3, 2ND FLR, RENOVATE R/RM	260,000
EDN	HEEIA ELEM	D REPLACE VENT GRILLS	50,000
EDN	HILO INTER	B REPLACE 2ND FLOOR CEILING	200,000
EDN	IAO INTER	G RPL HEAT EXCH	114,000
EDN	JARRETT MIDDLE	E RENOVATE R/RM	280,000
EDN	KAAAWA ELEM	P-2 , RENO R/RMS	360,000
EDN	KAHALUU ELEM	B RENOVATE R/RM	560,000
EDN	KAHALUU ELEM	D RENOVATE RRMS	720,000
EDN	KAHUKU HIGH & INTER	PT-1, RENOVATE R/RMS	360,000
EDN	KAILUA HIGH	R REM / RPL GYM CEILING TILES	300,000
EDN	KAILUA INTER	B RENOV DWNSTRS STUDENT R/RMS	630,000
EDN	KAIULANI ELEM	ABC 2ND FLR INSTL H20 FOUNTAIN	26,400
EDN	KAIULANI ELEM	C RENOVATE RRM	800,000
EDN	KALAHEO HIGH	H REPLACE LANAI FLOOR DRAINS	70,400
EDN	KALIHI UKA ELEM	B101-102 RPL WNDWS TO LOUVERS	140,000
EDN	KAULUWELA ELEM	M CARPENTRY RPRS TO CEILING	240,000
EDN	KEOLU ELEM	B & C SEAL UP WKWYS	110,000
EDN	KONAWAENA ELEM	C INSTALL ON DEMAND WATER HEATER FOR CAFETERIA	120,000
EDN	LAHAINA INTER	P2105 RPL CEILING P3	60,000
EDN	LAHAINALUNA HIGH	S RENO LOBBY & KIT	320,000
EDN	LAHAINALUNA HIGH	S RENO INT ROOMS	540,000
EDN	LAHAINALUNA HIGH	K RPL AC	154,000
EDN	LIHOLIHO ELEM	J RENO R/RM	240,000
EDN	LINAPUNI ELEM	A ,B & C, REPLACE SINKS & FIXTURES	380,000
EDN	NIU VALLEY MIDDLE	F RPR B/G R/RMS	68,000
EDN	PALOLO ELEM	C RENOVATE R/RM	240,000
EDN	PARKER ELEM	C RPR RRMS	140,000
EDN	PUUHALE ELEM	B, RENOVATE RESTROOMS	360,000
EDN	ROYAL ELEM	B RENOVATE R/RM PH1	350,000
EDN	STEVENSON MIDDLE	A RENOVATE 1ST FLOOR STUDENT RESTROOMS	946,000
EDN	WAIANAE HIGH	COV WKWY CONC & MTL RPRS	120,000
EDN	WAIANAE HIGH	J RPR INT & EXT CMU WALLS	250,000
EDN	WAIANAE INTER	RENOV LKRM SHOWERS AREAS	900,000
EDN	WASHINGTON MIDDLE	F, RENOVATE 1ST/2ND FLR RESTROOMS	600,000
EDN	KEKAULIKE HIGH	B REROOF	600,000
EDN	KEKAULIKE HIGH	A REROOF	600,000
EDN	KEKAULIKE HIGH	F REROOF	664,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
EDN	KIHEI ELEM	E REROOF	540,000
EDN	KULA ELEM	A REROOF	610,000
EDN	LAHAINA INTER	B REROOF	600,000
EDN	LAHAINALUNA HIGH	L REROOF	720,000
EDN	LAHAINALUNA HIGH	K REROOF & CARP RPRS	480,000
EDN	MILIANI MIDDLE SCHOOL – CHILLER PLANT REPLACEMENT	THIS PROJECT CONSISTS OF REPLACING ALL THE EXISTING CHILLER PLANT EQUIPMENT AND IS DOE FACILITIES MAINTENANCE BRANCH'S (FMB) NUMBER ONE PRIORITY. CHILLER PLANT EQUIPMENT IS BEYOND ITS USEFUL LIFE. EQUIPMENT IS UNDERSIZED AND ONE OF THE CHILLERS HAS FAILED. CHILLER PLANT CONTROLS NO LONGER WORK PROPERLY AND CANNOT BE PROPERLY FIXED BY THE SCHOOL'S SERVICE CONTRACTOR. PROJECT WILL INSTALL VFDS ON PUMPS AND COOLING TOWERS TO REDUCE ENERGY USAGE.	3,500,000
EDN	MILILANI MIDDLE SCHOOL – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE	1,200,000
EDN	KAPOLEI HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD AIR HANDLING UNITS (AHUS) AND FAN COIL UNITS (FCUS) WITH HIGHER EFFICIENCY EQUIPMENT. EXISTING EQUIPMENT IS 15+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	3,900,000
EDN	KAPOLEI MS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD AIR HANDLING UNITS, UNIT VENTILATORS AND FAN COIL UNITS WITH HIGHER EFFICIENCY EQUIPMENT. EXISTING EQUIPMENT IS 20+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	725,000
EDN	MAKAKILO ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS. EXISTING EQUIPMENT IS 13+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	400,000
EDN	WAIALUA ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD WINDOW AIR CONDITIONING UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS. EXISTING EQUIPMENT IS 18+ YEARS OLD AND WELL BEYOND THEIR EXPECTED USEFUL LIFE. WINDOW UNITS USE A LOT OF ENERGY AND CREATE MORE CLASSROOM NOISE THAN A VRF SPLIT SYSTEM.	60,000
EDN	KAPOLEI ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD WINDOW AIR CONDITIONING UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS. SOME EXISTING EQUIPMENT 20+ YEARS OLD AND WELL BEYOND THEIR EXPECTED USEFUL LIFE. WINDOW UNITS USE A LOT OF ENERGY AND CREATE MORE CLASSROOM NOISE THAN A VRF SPLIT SYSTEM.	970,000
EDN	MAILI ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE THE SCHOOL'S EXISTING CHILLED WATER AIR CONDITIONING SYSTEMS WITH AIR COOLED UNITARY AIR CONDITIONING EQUIPMENT AND IS ONE OF FMB'S HIGH PRIORITY PROJECTS. THE SCHOOL'S UNDERGROUND CHILLED WATER PIPES ARE LEAKING. DESPITE MULTIPLE ATTEMPTS TO FIND THE LEAKS, FMB HAS NOT BEEN ABLE TO LOCATE THEM. FMB HAS ALSO TOLD US THAT DOE'S SERVICE CONTRACTORS HAVE HISTORICALLY NOT BEEN ABLE TO PROPERLY MAINTAIN WATER COOLED CHILLED WATER SYSTEMS. FMB EXPECTS THE NEW UNITARY EQUIPMENT WILL BE EASIER TO MAINTAIN, WHICH WILL HELP REDUCE THE LIFE CYCLE COST OF THE SCHOOLS AIR CONDITIONING OVERALL.	3,250,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
EDN	KAUNAKAKAI ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE AN OLD PACKAGED UNIT AND SPLIT SYSTEM UNIT WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS 20+ YEARS OLD AND WELL BEYOND THEIR EXPECTED USEFUL LIFE. EXISTING EQUIPMENT IS OVERSIZED AND USING MORE ENERGY THAN NECESSARY TO COOL THE SPACE.	350,000
EDN	MOLOKAI HS & IS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD AND BROKEN WINDOW AIR CONDITIONING, SPLIT SYSTEM AND PACKAGED UNITS WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS 17+ YEARS OLD AND BEYOND ITS EXPECTED USEFUL LIFE. ALL BUT ONE OF THE NEW AIR CONDITIONING UNITS WILL BE HIGH EFFICIENCY VRF SPLIT SYSTEMS.	330,000
EDN	LAHAINA IS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE AN EXISTING PACKAGED UNIT WITH NEW EQUIPMENT. EXISTING PACKAGED UNIT IS 12+ YEARS OLD AND NEARING THE END OF ITS USEFUL LIFE	80,000
EDN	LAHAINALUNA HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT AND PACKAGED UNITS WITH HIGH EFFICIENCY EQUIPMENT. EXISTING EQUIPMENT IS 16+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE. MOST OF THE NEW AIR CONDITIONING UNITS WILL BE HIGH EFFICIENCY VRF SPLIT SYSTEMS.	1,300,000
EDN	PRINCESS NAHIENAENA ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD PACKAGED UNITS WITH NEW EQUIPMENT. PACKAGED UNITS ARE 12+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	80,000
EDN	LOKELANI IS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT AND PACKAGED UNITS WITH HIGH EFFICIENCY EQUIPMENT. SOME OF THE EXISTING EQUIPMENT IS NEARING 30 YEARS OLD AND ANOTHER UNIT IS STILL USING R-22 REFRIGERANT – R-22 HAS BEEN PHASING OUT OF THE INDUSTRY AND REPLACEMENT REFRIGERANT AND EQUIPMENT IS DIFFICULT TO OBTAIN. MOST OF THE NEW AIR CONDITIONING UNITS WILL BE HIGH EFFICIENCY VRF SPLIT SYSTEMS.	340,000
EDN	MAUI HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD UNIT VENTILATORS AND PACKAGED UNITS WITH NEW EQUIPMENT. WE BELIEVE THE EXISTING UNIT VENTILATORS ARE 25+ YEARS OLD.	660,000
EDN	MAUI WAENA IS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD PACKAGED UNITS WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS 16+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	320,000
EDN	KEAAU MS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS. EXISTING EQUIPMENT IS 15+ YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	510,000
EDN	WAIAKEA IS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH NEW HIGHER EFFICIENCY EQUIPMENT. EXISTING EQUIPMENT IS NEARING 20 YEARS OLD AND AT THE END OF THEIR EXPECTED USEFUL LIFE.	420,000
EDN	KEAAU ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD AHUS AND UNIT VENTILATORS WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS 22+ YEARS OLD AND BEYOND THEIR EXPECTED USEFUL LIFE.	2,300,000
EDN	HONOKAA HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE BROKEN PACKAGED UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS.	80,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
EDN	WAIKOLOA ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS AND PACKAGED UNITS WITH NEW EQUIPMENT. THE LARGEST UNIT IN THIS PROJECT, A 30-TON SPLIT SYSTEM UNIT, IS 21+ YEARS OLD AND BEYOND ITS EXPECTED USEFUL LIFE.	1,000,000
EDN	KOHALA HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE AND OLD SPLIT SYSTEM UNIT WITH NEW EQUIPMENT. WE BELIEVE THE EXISTING EQUIPMENT IS 12+ YEARS OLD AND AT THE END OF ITS USEFUL LIFE.	80,000
EDN	LAUPAHOEHOE SCHOOL – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE AN EXISTING 25-TON SPLIT SYSTEM UNIT WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS 17+ YEARS OLD AND NEARING THE END OF ITS USEFUL LIFE.	500,000
EDN	KEONEPOKO ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS AND WINDOW AIR CONDITIONING UNITS WITH NEW HIGH EFFICIENCY EQUIPMENT. EXISTING EQUIPMENT IS 18+ YEARS OLD AND AT THE END OF THEIR USEFUL LIFE.	740,000
EDN	PAHOA HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE AN OLD PACKAGED UNIT WITH NEW EQUIPMENT. EXISTING UNIT IS 15+ YEARS OLD AND BEYOND ITS EXPECTED USEFUL LIFE.	80,000
EDN	HONAUNAU ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH NEW EQUIPMENT. EXISTING EQUIPMENT IS NEARING 25 YEARS OLD AND IS BEYOND ITS EXPECTED USEFUL LIFE.	240,000
EDN	HOOKENA ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD WINDOW UNITS WITH HIGH EFFICIENCY VRF SPLIT SYSTEM UNITS. WINDOW UNITS USE A LOT OF ENERGY AND CREATE MORE CLASSROOM NOISE THAN A VRF SPLIT SYSTEM.	240,000
EDN	KAHAKAI ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH HIGH EFFICIENCY EQUIPMENT. EXISTING UNITS ARE NEARING 20 YEARS OLD AND ARE BEYOND THEIR EXPECTED USEFUL LIFE.	650,000
EDN	KONAWAENA HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE A VERY OLD 20-TON SPLIT SYSTEM UNIT WITH NEW EQUIPMENT. EXISTING UNIT IS 35+ YEARS OLD AND WELL BEYOND ITS EXPECTED USEFUL LIFE.	400,000
EDN	KONAWAENA MS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD SPLIT SYSTEM UNITS WITH NEW EQUIPMENT. WE BELIEVE THE EXISTING EQUIPMENT IS 10+ YEARS OLD.	40,000
EDN	KAU HS – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE A PACKAGED UNIT WITH NEW EQUIPMENT. THE EXISTING PACKAGED UNIT IS EXHIBITING EXTREME CORROSION FROM THE SALT AIR IN KAU WITH THE ALUMINUM FINS FALLING OFF OF THE CONDENSER COILS.	400,000
EDN	NAALEHU ES – AC EFFICIENCY IMPROVEMENTS	THIS PROJECT WILL REPLACE OLD VRF SPLIT SYSTEM UNITS WITH NEW EQUIPMENT. THE SCHOOL HAS TOLD US THAT THE OUTSIDE AIR UNITS FOR THIS SYSTEM NO LONGER WORK SO THE SPACES HAVE HIGH CO2 CONCENTRATIONS. EXISTING UNITS ARE 10+ YEARS OLD AND NEARING THE END OF THEIR USEFUL LIFE.	680,000
EDN -HSPLS	MILILANI PUBLIC LIBRARY	REPAVE PARKING LOT	500,000
EDN -HSPLS	SALT LAKE/MOANALUA PUBLIC LIBRARY	RECONFIGURE & REPAVE PARKING LOT & DRIVEWAYS	173,250
EDN -HSPLS	WAHIAWA PUBLIC LIBRARY	MISCELLANEOUS REPAIRS AND IMPROVEMENTS	1,700,000
EDN -HSPLS	WAIALUA PUBLIC LIBRARY	CESSPOOL CLOSURE AND WASTEWATER SYSTEM IMPROVEMENTS	151,500

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
EDN -HSPLS	WAIMEA PUBLIC LIBRARY	REPLACE CHILLER, PUMPS, AND OTHER IMPROVEMENTS	1,038,620
EDN -HSPLS	KAHULUI PUBLIC LIBRARY	REPLACE AIR CONDITIONING SYSTEM	700,000
EDN -HSPLS	KANEOHE PUBLIC LIBRARY	VARIOUS UPGRADES AND RENOVATIONS	2,169,000
EDN -HSPLS	PUBLIC LIBRARIES, STATEWIDE	HEALTH, SAFETY, & OTHER IMPROVEMENTS(FB 2019-2021)	9,000,000
HMS	HOOPONO BUILDING A	FLOOD REMEDIATION	1,000,000
HMS	HAWAII YOUTH CORRECTIONAL FCLTY, OBSRVTN & ASSESSMENT COTTAGE	PERIMETER FENCE	128,000
HMS	HAWAII YOUTH CORRECTIONAL FACILITY	SEWER SYSTEM IMPROVEMENTS	600,000
HMS	HAWAII YOUTH CORRECTIONAL FACILITY	GYMNASIUM FOUNDATION REPAIRS	225,000
HMS	HAWAII YOUTH CORRECTIONAL FACILITY	WATER SYSTEM IMPROVEMENTS	900,000
HMS	HAWAII YOUTH CORRECTIONAL FACILITY	CAMPUS IMPROVEMENTS, PLANNING	900,000
HTH	DIAMOND HEAD, LANAKILA AND LEEWARD HEALTH CENTERS	MODERNIZATION OF ELEVATORS	2,071,316
HTH	HILO COUNSELING CENTER & KEAWE HEALTH CENTER	IMPROVEMENTS	8,991,413
JUD	KAUAI JUDICIARY COMPLEX	REROOF AND RELATED IMPROVEMENTS, PHASE 1 AND 2	2,110,578
JUD	HOAPILI HALE	SECURITY IMPROVEMENTS	1,700,000
LNR	FY19 DOFAW OAHU BASEYARD, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	490,000
LNR	FY20 WATERSHED PROTECTION AND INITIATIVES, SW	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	6,583,000
LNR	FY20 KAILUA KONA WHARF LOADING DOCK, HI	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	150,000
LNR	FY18-FY19 KAWAINUI MARSH, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	2,880,000
LNR	FY20 ROYAL HAWAIIAN GROIN REPLACEMENT, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	2,500,000
LNR	FY18 MAUNAWILI FALLS TRAIL AT QUEEN'S RETREAT, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	648,000
LNR	FY20 COQUI FROG ERADICATION CONTAINMENT BARRIER, MAUI	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	750,000
LNR	FY19 LAHAINA SBH, MAUI	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	250,000
LNR	FY20 KAENA PT NAR FENCE, OAHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	22,000
LNR	FY20 KANAIO DRY FOREST FENCE, MAUI	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	300,000
LNR	LAHAINA BOAT HARBOR FERRY PIER, MAUI	CONSTRUCTION FOR A FERRY PIER AND RELATED IMPROVEMENTS AT THE LAHAINA BOAT HARBOR. THIS PROJECT IS DEEMED NECESSARY TO QUALIFY FOR FEDERAL AID FINANCING AND/OR REIMBURSEMENT.	4,200,000
LNR	UPCOUNTRY MAUI WELL, MAUI	PLANS, DESIGN AND CONSTRUCTION FOR WATER WELL IN UPCOUNTRY MAUI.	250,000
LNR	ANUENUE FRC SEWER LINE, OAHU	CONSTRUCTION OF NEW SEWER LINE CONNECTING TWO EXISTING RESTROOMS TO THE EXISTING CITY SEWER, INCLUDING A STUB-OUT FOR FUTURE RESTROOM/SHOWER BUILDING	250,000
LNR	MALAEKAHANA SRA KAHUKU SECTION PARK IMPROVEMENTS PHASE 1, OAHU	CONSTRUCTION OF PARK IMPROVEMENTS INCLUDING ACCESS ROAD, PARKING, COMFORT STATION, POT WASHING STATIONS WITH GREASE INTERCEPTORS, SATELLITE RESTROOM AND MISCELLANEOUS RELATED WORK.	5,000,000
LNR	SAND ISLAND SRA, PHASE 2 SEWER SYSTEM IMPROVEMENTS, OAHU	CONSTRUCTION FOR REPLACEMENTS OF SEWER MAINS AND LATERALS, INSTALLATION OF GRINDER PUMPS, RELOCATION OF PUMP STATION, AND RELATED WORK.	2,000,000
LNR	MAKENA STATE PARK, PHASE 2 PARK IMPROVEMENTS, MAUI	CONSTRUCTION FOR TWO NEW COMFORT STATIONS, ONE AT EACH PARKING LOT OF THE BEACH PARK, INCLUDING PARKING LOT IMPROVEMENTS, SITE IMPROVEMENTS AND RELATED WORK	2,000,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
LNR	IAO VALLEY STATE MONUMENT PARK IMPROVEMENTS, MAUI	CONSTRUCTION FOR PARK IMPROVEMENTS INCLUDING REPLACING THE WATER AND ELECTRICAL LINES, PARKING LOT AND WALKWAYS.	3,500,000
LNR	HULIHE'E PALACE SM IMPROVEMENTS, HAWAII	CONSTRUCTION FOR VARIOUS IMPROVEMENTS, INCLUDING WALLS, LANAIS, ROCKWALLS, SEAWALL AND GROUNDS.	2,500,000
LNR	WAIANAPANAPA SP, MAUI	CONSTRUCTION FOR NEW COMFORT STATION AND WASTEWATER SYSTEM, ADA AND PARKING IMPROVEMENTS	2,000,000
LNR	HAWAII DISTRICT LAND OFFICE, HILO, HAWAII	CONSTRUCTION FOR RENOVATION OF EXISTING BUILDING FOR NEW DLNR HAWAII DISTRICT LAND OFFICE	3,000,000
LNR	KAWAINUI MARSH LEVEE IMPROVEMENTS, OAHU	CONSTRUCTION FOR STABILIZATION OF FLOOD CONTROL LEVEE	3,500,000
LNR	DOFAW MAKIKI BASEYARD, OAHU	CONSTRUCTION FOR WASTEWATER SYSTEM IMPROVEMENTS	800,000
LNR	WEST MAUI PREDATOR PROOF SNAIL FENCE, MAUI	CONSTRUCTION OF PREDATOR PROOF FENCE TO PREVENT SNAIL POPULATIONS FROM EXTINCTION	200,000
LNR	ALAKAI RARE PLANT BOG FENCES, KAUAI	CONSTRUCTION OF FENCE TO PROTECT MULTIPLE ENDANGERED PLANT SPECIES	75,377
LNR	HALEAKALA ALPINE WILDLIFE SANCTUARY PREDATOR PROOF FENCE UNITS, MAUI	CONSTRUCTION OF PREDATOR PROOF FENCE TO PROTECT ENDANGERED SEABIRDS	518,000
LNR	KAU FOREST RESERVE BOUNDARY REPLACEMENT, HAWAII	REPLACEMENT OF VOG-DAMAGED FENCE FOR WATERSHED AND ECOSYSTEM PROTECTION ACROSS MULTIPLE FENCE UNITS	400,000
LNR	PUU WAAWAA FOREST RESERVE KILEO ALTERNATE FENCE, HAWAII	CONSTRUCTION OF FENCE TO PROTECT NATIVE ECOSYSTEMS AND WATERSHEDS	966,488
LNR	KAU FOREST RESERVE FENCE, HAWAII	CONSTRUCTION OF FENCE TO PROTECT NATIVE ECOSYSTEMS AND WATERSHEDS	850,000
LNR	KANAHENA TO KANALOA FENCE, MAUI	CONSTRUCTION OF FENCE TO PROTECT NATIVE COASTAL ECOSYSTEMS	1,221,000
LNR	PUU WAAWAA FOREST RESERVE ZANTHOXYLUM II FENCE, HAWAII	CONSTRUCTION OF FENCE TO PROTECT MULTIPLE ENDANGERED PLANT SPECIES	817,238
LNR	AHIHI KINAU NATURAL AREA RESERVE BOUNDARY FENCE, MAUI	CONSTRUCTION OF FENCE TO PROTECT NATIVE DRYLAND ECOSYSTEMS	1,051,208
LNR	BASEYARD FENCE SECURITY, MAUI	CONSTRUCTION OF FENCE TO PREVENT VANDALISM AND THEFT AROUND BASEYARD	90,000
LNR	KAHOOLAWE EDUCATION AND OPERATIONS CENTER, KIHEI, MAUI	PLANNING, DESIGN AND CONSTRUCTION FOR PHASE I, INCLUDING COMPLETION OF PLANNING FOR DEVELOPMENT OF EDUCATIONAL FEATURES AND EXHIBITS, COMPLETION OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS, AND CONSTRUCTION OF BIO-SECURE NURSERY TO GENERATE AND PREPARE PLANTING MATERIALS TO CONTINUE KAHOOLAWE RESTORATION.	4,250,000
LNR	KAHULUI SBH, MAUI	CONSTRUCTION OF COMFORT STATION	100,000
LNR	HEEIA KEA SBH, OAHU	CONSTRUCTION OF WASTEWATER SYSTEM IMPROVEMENTS	2,000,000
LNR	NAWILIWILI SBH, KAUAI	CONSTRUCTION OF PIER 400 FLOATING DOCK IMPROVEMENTS	1,500,000
LNR	LAHAINA SBH, MAUI	CONSTRUCTION OF RANGE LIGHT MODIFICATIONS	200,000
PSD	PSD 900, P5674 - HALAWA CORRECTIONAL FACILITY (HCF), CONSOLIDATED HEALTH CARE UNIT, OAHU. DAGS JOB NO. 12-27-5674	CONSTRUCTION AND EQUIPMENT TO CONSOLIDATE ALL OF THE HEALTH CARE UNIT (HCU) FUNCTIONS AT HCF TO A CENTRAL LOCATION ON THE MAIN CAMPUS SITE. FUNDING REQUEST TO SUPPLEMENT CONSTRUCTION PHASE.	30,000,000
PSD	RENOVATE THE KEONI ANA BUILDING FOR PSD, OAHU	CONSTRUCTION AND EQUIPMENT TO RENOVATE AND UPGRADE THE EXISTING KEONI ANA BUILDING, 1177 ALAKEA STREET, FOR THE RELOCATION OF PSD AND ITS RELATED ADMINISTRATION AND PROGRAM OFFICES. DAGS CONSTRUCTION FUNDS PORTION IS $2,567,000; PSD CONSTRUCTION FUNDS PORTION IS $5,000,000. CURRENT FUNDING REQUEST IS TO SUPPLEMENT PSD'S PORTION OF THE CONSTRUCTION FUNDING COSTS.	5,000,000
PSD	WAIAWA CORRECTIONAL FACILITY	NEW DOMESTIC WATER SYS AND RELATED IMPROVEMENTS	5,673,744
PSD	HAWAII COMMUNITY CORRECTIONAL CENTER	HALE NANI, SUPPORT SERVICES BUILDING	1,956,246

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
PSD	MAUI COMMUNITY CORRECTIONAL CENTER	DORMS 1 & 2 ROOFING SYS RENOV AND REL IMPS	168,000
PSD	MAUI COMMUNITY CORRECTIONAL CENTER	DORMITORY 3 ROOFING SYS RENOV AND REL IMPS	168,000
PSD	HALAWA CORRECTIONAL FACILITY	REPLACE COOLING TOWER, ADD DINING HALL AIR CONDITIONING AND RELATED IMPROVEMENTS	1,100,000
PSD	HALAWA CORR FAC	SPECIAL NEEDS FACILITY, CHILLER REPL. & ASSOC. REP & IMPS	1,850,000
PSD	WOMEN'S COMMUNITY CORRECTIONAL CENTER	HOOKIPA MAKAI COTTAGE RENOVATION FOR NEW CONSOLIDATED FEMALE HOUSING	3,609,000
PSD	WOMEN'S COMMUNITY CORRECTIONAL CENTER	NEW HOUSING AND RELATED IMPROVEMENTS	50,000,000
PSD	KAUAI COMMUNITY CORRECTIONAL CENTER	RESTROOMS & SHOWERS REPAIRS & IMPRVMTS	650,000
PSD	KULANI CORRECTIONAL FACILITY	VARIOUS SECURITY SYSTEM IMPROVEMENTS	800,000
PSD	KULANI CORRECTIONAL FCLTY	MECH & ELECT SYSTEMS REPAIRS & IMPS PHASE 1 (CONST)	1,300,000
PSD	MAUI COMMUNITY CORRECTIONAL CENTER	NEW MEDIUM SECURITY HOUSING	8,300,000
PSD	HAWAII COMMUNITY CORRECTIONAL CENTER	REPLACE SECURITY DOORS	625,000
PSD	KAUAI COMMUNITY CORRECTIONAL CENTER	NEW MEDIUM SECURITY HOUSING	14,500,000
PSD	HAWAII COMMUNITY CORRECTIONAL CENTER	NEW MEDIUM SECURITY HOUSING	13,300,000
PSD	DEPT OF PUBLIC SAFETY FACILITIES ON OAHU	SUSTAINABILITY IMPROVEMENTS	1,000,000
PSD	DEPT OF PUBLIC SAFETY FACILITIES STATEWIDE	ARCH BARRIER REMOVAL & RELATED IMPS	3,607,000
PSD	HALAWA CORRECTIONAL FACILITY	PERIMETER FENCE REPLACEMENT AND RELATED IMPS	2,393,000
PSD	HALAWA CORRECTIONAL FACILITY	MECHANICAL & ELECTRICAL INFRASTRUCTURE IMPS	400,000
PSD	HAWAII COMMUNITY CORRECTIONAL CENTER	HALE NANI ANNEX FIRE PROT & LIFE SAFETY IMPS	1,000,000
PSD	HAWAII COMMUNITY CORRECTIONAL CENTER	MECHANICAL & ELECTRICAL SYSTEMS REPAIRS & IMPROVEMENTS	500,000
PSD	KAUAI COMMUNITY CORRECTIONAL CENTER	FOOD SERVICE UNIT FLOOR REPL & REL IMPS	1,600,000
PSD	KAUAI COMMUNITY CORRECTIONAL CENTER	MECHANICAL AND ELECTRICAL SYSTEMS REPAIRS AND IMPROVEMENTS	500,000
PSD	KULANI CORRECTIONAL FCLTY	MECH & ELECT SYSTEMS REPAIRS & IMPS PHASE 1 (CONST)	500,000
PSD	MAUI COMMUNITY CORRECTIONAL CENTER	MECHANICAL AND ELECTRICAL SYSTEMS REPAIRS AND IMPROVEMENTS	500,000
PSD	OAHU COMMUNITY CORRECTIONAL CENTER	MECHANICAL & ELECTRICAL INFRASTRUCTURE IMPS	400,000
PSD	WAIAWA CORRECTIONAL FACILITY	MECH & ELECT SYSTEMS REPAIRS & IMPS PHASE1(CONST)	500,000
PSD	WAIAWA CORRECTIONAL FACILITY	FARM WASH STATION AND RELATED IMPROVEMENTS	1,000,000
PSD	WAIAWA CORRECTIONAL FACILITY	FIRE PROTECTION SYSTEMS REPAIRS AND IMPROVEMENTS	600,000
PSD	WOMEN'S COMMUNITY CORRECTIONAL CENTER	MECHANICAL AND ELECTRICAL SYSTEMS REPAIRS AND IMPROVEMENTS	500,000
TRN	DOT FMS	FMS	13,000,000
TRN - AIR	ITO RESTROOM IMPROVEMENTS	RENOVATE 4 PAIRS OF RESTROOMS LOCATED ON THE GROUND FLOOR	9,000,000
TRN - AIR	HNL INSTALL TAXIWAY HOLD LIGHTS	PROVIDE RUNWAY GUARD LIGHTS TO RUNWAY 4R-22L AND ITS INTERSECTING TAXIWAYS AND TO RUNWAY 4L-22R AND ITS INTERSECTING TAXIWAYS	1,800,000
TRN - AIR	HNL OVERSEAS TERMINAL ASBESTOS ABATEMENT	AIR CONDITIONING MODIFICATIONS IN THE INTERNATIONAL ARRIVALS BUILDING (IAB) NEEDED FOR THE ABATEMENT OF ASBESTOS IN PHASE 2	12,000,000
TRN - AIR	HNL REEF RUNWAY, TAXIWAY SIGNAGE IMPROVEMENTS	REPLACE EXISTING SIGN PANELS FOR THE REEF RUNWAY AND ASSOCIATED TAXIWAYS; RELOCATE AND REPLACE TWO WIND CONES ADJACENT TO RWY 8R- 26L OUTSIDE OF THE ROFA, AND INSTALL LED RETROFIT KITS TO AFFECTED SIGNS	800,000
TRN - AIR	HNL RESTROOM IMPROVEMENTS PHASE2	2ND PHASE TO RENOVATE PUBLIC RESTROOMS AT HNL, INCLUDING TERMINAL 1	22,000,000
TRN - AIR	HNL RUNWAY 8L WIDENING PHASE 2	2ND PHASE TO REHABILITATE THE WESTERN END OF RUNWAY 8L, INCLUDING PAVEMENT MARKINGS, SIGNAGE AND LIGHTING	90,000,000
TRN - AIR	HNL TICKET LOBBY RENOVATIONS	REPLACE TERMINAL 1 & 2 BAGGAGE HANDLING SYSTEMS; RENOVATE TICKET LOBBY 4, 5 & 6 TO MATCH LOBBIES 7 & 8	160,000,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
TRN - AIR	KOA AIRFIELD LIGHTING IMPROVEMENTS	REPLACE RUNWAY AND TAXIWAY EDGE LIGHTS FROM EXISTING INCANDESCENT LIGHTS WITH NEW LED LIGHTS	3,500,000
TRN - AIR	KOA ARFF REGIONAL TRAINING FACILITY	PROVIDE A MULTI-AGENCY, TRAINING FACILITY FOR ARFF FIRE-FIGHTING AND EMERGENCY RESPONDERS	30,000,000
TRN - AIR	KOA FEDERAL INSPECTION SERVICES BUILDING	NEW FEDERAL INSPECTION SERVICES FACILITY TO REPLACE THE TEMPORARY FACILITY, INCLUDING AIRCRAFT PARKING, HOLDROOM, AND GROUND TRANSPORTATION	60,000,000
TRN - AIR	KOA RESTROOM IMPROVEMENTS	RENOVATION OF THE EXISTING RESTROOMS IN THE NORTH AND SOUTH TERMINALS	8,000,000
TRN - AIR	KOA USDA INSPECTION BUILDING	CONSTRUCTION OF AN IN-LINE USDA AGRICULTURAL INSPECTION BUILDING. THE AGRICULTURAL INSPECTION STATION WILL BE MOVED TO THE BACK-OF- HOUSE, OUT OF THE VIEW OF THE PUBLIC AND IN-LINE WITH THE TSA SCREENING	8,000,000
TRN - AIR	LIH EMERGENCY STAGING & STORAGE FACILITY	PROVIDE A SECURED STORAGE SITE FOR LIHUE AIRPORT, THAT CAN ALSO BE USED TO STAGE EQUIPMENT AND SUPPLIES IN TIMES OF DECLARED EMERGENCY	800,000
TRN - AIR	LIH TICKET LOBBY IMPROVEMENTS	DEMOLISH PLANTER BOXES FRONTING THE TICKET LOBBY	9,000,000
TRN - AIR	OGG HOLDROOM AND GATE IMPROVEMENTS	ENCLOSE THE EXTERIOR WALKWAY AND CONNECT HOLDROOMS A & B	32,000,000
TRN - AIR	OGG HOLDROOMS A, B & E RESTROOM IMPROVEMENTS	3RD PHASE IN THE OGG RESTROOM RENOVATION PROJECT, WHICH INCLUDES RESTROOMS IN HOLDROOMS A, B & E	11,000,000
TRN - HAR	OGG INBOUND BAGGAGE HANDLING SYSTEM IMPROVEMENTS	REPLACE EXISTING INBOUND BAGGAGE HANDLING SYSTEM, INCLUDING INSTALLING AN ADDITIONAL UNIT	12,000,000
TRN - HAR	PAK SECURITY FENCE IMPROVEMENTS	REPLACE THE PERIMETER SECURITY FENCE	1,500,000
TRN - HAR	PIERS 24-28 UTILITIES IMPRVEMENTS, HONOLULU HARBOR	UTILITIES RELOCATION AND IMPROVEMENTS AT PIERS 24-28	12,500,000
TRN - HAR	H.C. 10498 KCT WHARF AND DREDGING AT HONOLULU HARBOR	DREDGING AND CONSTRUCTION OF OVER 3000 FT OF PIER FOR A NEW CONTAINER TERMINAL	350,000,000
TRN - HAR	H.C. 50148.1 AND .2 DRAIN INLETS HARDENING AND VARIOUS PAVING AT KAWAIHAE HARBOR	DRAIN HARDENING AT PIER 2 AND PAVING 1.78 ACRES AT LOT NEXT TO HARBOR OFFICE	3,000,000
TRN - HAR	H.C. 50113.1 AND .2 QUONSET HUT DEMOLITION AND PIER 2 DEMOLITION AT HILO HARBOR	DEMOLITION QUONSET HUT STRUCTURE AND DEMOLITION OF PIER 2 SHED	3,500,000
TRN - HAR	DEMOLISH SHED AT PIERS 31-34, HONOLULU HARBOR	DEMOLISH ENTIRE SHED AND THREE COMFORT STATIONS.	1,600,000
UOH	MĀNOA, COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES, KULA AGRICULTURE	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	500,000
UOH	HILO, PHARMACY LABORATORY IMPROVEMENTS, HAWAII	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	3,000,000
UOH	HILO, RENEW, IMPROVE, AND MODERNIZE, HAWAI'I (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	2,130,172
UOH	HILO, AERONAUTICAL SCIENCE	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	321,000
UOH	CC'S MINOR CIP FOR THE COMMUNITY COLLEGES, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	2,200,000
UOH	CCS, CAPITAL RENEWAL AND DEFERRED MAINTENANCE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	800,000
UOH	SYSTEM, RENEW, IMPROVE, AND MODERNIZE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	54,425,000
UOH	SYSTEMWIDE, UNIVERSITY OF HAWAII CANCER CENTER	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	6,500,000
UOH	CCS, CAPITAL RENEWAL AND DEFERRED MAINTENANCE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	1,500,000

SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

DEPT	TITLE/PROJECT NAME	DESCRIPTION	Amount
UOH	SYSTEM, RENEW, IMPROVE, AND MODERNIZE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	15,550,000
UOH	MĀNOA, MINI MASTER PLAN PHASE 2, O'AHU	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	66,000,000
UOH	MANOA, RENEW, IMPROVE, AND MODERNIZE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	46,410,000
UOH	HILO, RENEW, IMPROVE, AND MODERNIZE, HAWAI'I (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	100,000
UOH	CCS, CAPITAL RENEWAL AND DEFERRED MAINTENANCE, STATEWIDE (SEE PROJECT BREAKDOWN BELOW)	*PENDING ADDITIONAL DEPARTMENTAL INFORMATION*	10,000,000

UOH SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

I. FY 2020 SHOVEL READY PROJECTS APPROPRIATED LAST YEAR FOR WHICH WE ARE AWAITING RELEASE		
FY20 SUMMARY		
Line Item	**Project**	**Total**
G-200	Mānoa, College of Tropical Agriculture and Human Resources, Kula Agriculture	500,000
G-201	Hilo, Pharmacy Laboratory Improvements, Hawaii	3,000,000
G-202	Hilo, Renew, Improve, and Modernize, Hawai'I (see project breakdown below)	2,130,172
G-203	Hilo, Aeronautical Science	321,000
G-204	CC's Minor CIP for the Community Colleges, Statewide (see project breakdown	2,200,000
G-205	CCs, Capital Renewal and Deferred Maintenance, Statewide (see project breakdown below)	800,000
G-209	System, Renew, Improve, and Modernize, Statewide (see project breakdown	54,425,000
G-212	Systemwide, University of Hawaii Cancer Center	6,500,000
I. LIST	**GRAND TOTAL SHOVEL READY PROJECTS**	**69,876,172**
FY20 LUMP SUM PROJECT BREAKDOWN		
Lump Sum Line Item	**Project**	**Total**
G-202	1. Hale Alahonua AC Improvements	1,500,000
G-202	5. UH Hilo Repave Tennis Courts	630,172
	TOTAL (from $5,000,000 total appropriation)	**2,130,172**
G-204	3. Portables - Various Repairs (KAP)	1,650,000
G-204	4. Business Nursing (KAU)	550,000
	TOTAL (from $14,000,000 total appropriation)	**2,200,000**
G-205	12. Lee CC, 7875 Learning Commons - Spall Repair	800,000
	TOTAL (from $25,000,000 total appropriation)	**800,000**
G-209	1. Various Building Envelope Improvements and Renovations	1,450,000
G-209	2. Hawaii Hall Reroof and Various Improvements and Renovations	5,550,000
G-209	3. Various locations (Off-Site Facilities)	2,000,000
G-209	6. Landscape Building Improvements and Renovations	4,660,000
G-209	7. Law School and Law Library Exterior Improvements and Renovations	800,000

UOH SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

G-209	8. Building Exterior Wall Reseal (UHWO)	600,000
G-209	9. General Classrooms and Teaching Labs Interior Improvements and	1,750,000
G-209	10. Various Interior Improvements and Renovations	2,850,000
G-209	11. Elevator Modernization Phase V	1,100,000
G-209	12. Upgrade/Replace Building Access/Keying System	300,000
G-209	15. Krauss Replace/Upgrade Central Plant and HVAC Systems	300,000
G-209	16. Marine Sciences Bldg Replace/Upgrade Cooling Tower and Misc. Mechanical Components	200,000
G-209	17. Various Sites, Contingency	2,965,000
G-209	18. IFA, Kennedy Theater and Physical Science Building, Replace Electrical Equipment	5,400,000
G-209	20. Upgrade Exterior Lighting Various Sites	2,000,000
G-209	24. Various Buildings Replace/Upgrade Fire Alarm Systems	600,000
G-209	25. Retro-Commissioning of Various System Operations and Controls	300,000
G-209	26. General Mechanical System Repairs	2,300,000
G-209	27. Various Buildings, Repair/Upgrade HVAC Control Systems	250,000
G-209	30. Biomedical Sciences Building Court B and IBR Replace/Upgrade HVACVAV and Control Systems	450,000
G-209	31. Webster Replace/Upgrade HVAC and Control Systems	300,000
G-209	32. Stan Sheriff Center Replace Grease Interceptors	150,000
G-209	33. Various Buildings Water Conservation Upgrades Replace Plumbing Fixtures, Phase III	350,000
G-209	35. Biomed Roof Improvement, Phase 2	4,100,000
G-209	36. Shidler Roof Improvement, Phase 2	1,100,000
G-209	37. Campus, Accessibility	2,500,000
G-209	38. 6-Year CIP Programming and Space Utilization Planning	1,700,000
G-209	40. Various Irrigation System Upgrades	250,000
G-209	41. Upgrade/Replace Mechanical Fire Protection Systems	500,000
G-209	42. Demolition of Portables	150,000
G-209	43. Entry Plaza at Road B (UHWO)	400,000

G-209	44. Hamilton Library LED retrofit	1,500,000
G-209	45. Solar PV (100 KW/Roof, $500 K/100KW PV)	5,600,000
	TOTAL (from $80,000,000 total appropriation)	**54,425,000**
II. FY 2021 SHOVEL READY PROJECTS APPROPRIATED LAST YEAR FOR WHICH WE WILL REQUEST RELEASE JULY 1, 2020		
FY21 SUMMARY		
Line Item	**Project**	**Total**
G-205	CCs, Capital Renewal and Deferred Maintenance, Statewide (see project breakdown below)	1,500,000
G-209	System, Renew, Improve, and Modernize, Statewide (see project breakdown	15,550,000
II. LIST	**GRAND TOTAL SHOVEL READY PROJECTS**	**17,050,000**
FY21 LUMP SUM PROJECT BREAKDOWN		
Lump Sum Line Item	**Project**	**Total**
G-205	6. Lee, 7875 Learning Commons - Reroof Phase IIC	1,500,000
	TOTAL (from $14,500,000 total appropriation)	**1,500,000**
G-209	4. Architecture Building Exterior Improvements and Renovations	700,000
G-209	5. Bilger Annex Exterior Improvements and Renovations	700,000
G-209	7. General Classrooms and Teaching Labs Interior Improvements and	1,300,000
G-209	8. (UHM 14-541-700) Elevator Modernization, Phase IV	10,500,000
G-209	11. Arc Flash Study, UHM Manoa Campus - Phase 2	500,000
G-209	18. Demolition of Portables	1,850,000
	TOTAL (from $50,000,000 total appropriation)	**15,550,000**
III. FY 2021 SHOVEL READY PROJECTS IN THIS YEAR'S BOARD OF REGENTS SUPPLEMENTAL BUDGET		
FY21 SUPPLEMENTAL REQUEST SUMMARY		
Line Item	**Project**	**Total**

N/A	Mānoa, Mini Master Plan Phase 2, O'ahu	66,000,000
N/A	Manoa, Renew, Improve, and Modernize, Statewide (see project breakdown	46,410,000
N/A	Hilo, Renew, Improve, and Modernize, Hawai'i (see project breakdown below)	100,000
N/A	CCs, Capital Renewal and Deferred Maintenance, Statewide (see project breakdown below)	10,000,000
III. LIST	**GRAND TOTAL SHOVEL READY PROJECTS**	**122,510,000**
FY21 SUPPLEMENTAL REQUEST LUMP SUM PROJECT BREAKDOWN		
Lump Sum Line Item	**Project**	**Total**
FY21 Supplemental - Manoa, Renew, Improve, and Modernize, Statewide		
N/A	Snyder Demolition	2,860,000
N/A	Bachman Hall Renovation	6,500,000
N/A	Kuykendall Spall and Louver Repairs	2,000,000
N/A	General Classrooms and Teaching Labs Interior Repairs - (painting, cabinets, flooring, etc.)	3,250,000
N/A	Minor/Urgent Repairs (under $250,000)	2,750,000
N/A	Upgrade/Replace Buidling Access/Keying System	2,000,000
N/A	Various Relocation Projects	2,250,000
N/A	Biomedical Sciences Bldg Repair/Replace/Upgrade Central Plant/Cooling Tower/HVAC Systems	400,000
N/A	Holmes Hall Loop A Upgrade Central Chiller Plant/Cooling Tower, HVAC Equipment and Controls	400,000
N/A	Various Sites, Contingency	5,750,000
N/A	Various Buildings Replace/Service Equipment	250,000
N/A	Holmes Hall Restroom Repairs	1,200,000
N/A	Saunders Restrooms	2,500,000
N/A	Retro-Commissioning of Various System Operations and Controls	2,500,000
N/A	Various Buildings, Repair/Upgrade HVAC Control Systems	150,000
N/A	Hawaii Hall, Crawford Hall and George Hall Replace Air-handlers and Controls	350,000
N/A	Law School Complex Replace Air Handlers and Upgrade Controls	350,000

UOH SHOVEL READY CAPITAL IMPROVEMENT PROJECT DETAILS

N/A	Various Roof Repairs	3,000,000
N/A	DKAC Roof Improvements	1,000,000
N/A	St. John Plant Science Laboratory 2 and Vault Roof Improvements	200,000
N/A	Sinclair Library Roof Improvements	200,000
N/A	Campus Services Roof Improvements	200,000
N/A	Campus, Accesssibility	300,000
N/A	Long Range Planning	1,000,000
N/A	Various Lighting Upgrades	3,400,000
N/A	Solar PV	1,650,000
	TOTAL (from $60,500,000 request)	**46,410,000**
FY21 Supplemental - Hilo, Renew, Improve, and Modernize, Hawai'i		
N/A	Hale Kehau Dining - Replace Kitchen Ceiling	100,000
	TOTAL (from $6,000,000 request)	**100,000**
FY21 Supplemental - CCs, Capital Renewal and Deferred Maintenance, Statewide		
N/A	Kaua'i CC - 4454 Business/Health Sciences Modernization	5,000,000
N/A	Maui CC - 2252 Ka'aike and 2253 Paina HVAC Controls and Distribution Replacement	5,000,000
	TOTAL (from $10,500,000 request)	**10,000,000**