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TERRITORY OF HAWAII

PUBLIC WORKS

FISCAL YEAR 1958

TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS
HONOLULU

June 30, 1958

Honorable William F. Quinn
Governor, Territory of Hawaii
Iolani Palace
Honolulu, T. H.

Dear Governor Quinn:

The Department of Public Works submits its annual report for the fiscal year ending June 30, 1958.

Construction contracts granted by this Department totaled \$9,071,387.08, as compared with \$7,858,682.68 for the fiscal year ending June 30, 1957. Contracts for highway construction rose from \$4,700,734.34 to \$7,918,114.19, and more than offset the drop in other public works contracts.

Twenty-two Federal-aid highway projects, distributed among all the major islands, were underway during the year. Thirty-three projects were in progress under supervision of the Building and Engineering divisions.

Our stepped-up highway program is swinging into high gear. On September 24, 1957, we marketed our second \$12,500,000 series of gas tax revenue bonds from the \$50,000,000 issue authorized by the 1955 Legislature. The third series, also in the amount of \$12,500,000, has been set for July 22, 1958, bid openings.

As the fiscal year ended, work on the Kailua-bound tunnels on the Nuuanu Highway was well ahead of schedule. The contractor, J. M. Tanaka, was maintaining a fine safety record, as he did on his contract for the bores opened in May, 1957, for Honolulu-bound traffic.

Ground-breaking ceremonies were held May 19, 1958, for the Territorial Highway Department's five-story office building at Queen and Punchbowl Streets. The building will bring together under one roof highway functions scattered at various locations. Space freed in the Territorial Office Building, King and Punchbowl, will provide more comfortable and efficient housing for other crowded Government agencies.

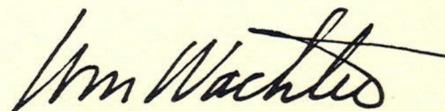
Hawaii was allotted \$1,838,235 in an anti-recession measure for highway construction to ease unemployment. The allocation will expedite several major projects.

Our chances for establishing an Hawaii Defense Highway System during the current session of Congress are diminishing as adjournment nears. However, during the past year we have built up more support for the proposal and hope that the next Congress will pass appropriate legislation. Creation of the system would bring Hawaii benefits equivalent to those the states receive for mileage on the National Interstate and Defense Highway System. The Islands would gain additional highway millions on the matching ratio of \$9-Federal to \$1-local.

We were shocked and saddened by the sudden death of Mr. E. S. Kaaua, Hawaii District Engineer, on September 21, 1957, after 22 years with the Department. He was succeeded on November 1 by Mr. L. C. Fruto, former Oahu Assistant District Engineer.

This year, for the first time, copies of our annual report will be distributed to all employees of the Department. I would like to take this opportunity to thank each employee for his part in the year's accomplishments.

Yours very truly,



Superintendent of Public Works

DEPARTMENT OF PUBLIC WORKS
TERRITORY OF HAWAII

WILLIAM M. WACHTER

*Superintendent of Public Works
and Territorial Highway Engineer*

MELVIN E. LEPINE

Assistant Superintendent of Public Works

JOHN C. MYATT

Deputy Territorial Highway Engineer

TIM HO

Deputy Territorial Public Works Engineer

R. W. HENDRY

Oahu District Engineer

L. C. FRUTO

Hawaii District Engineer

E. F. MORRISON

Maui District Engineer

FRED L. SCHUMACHER

Kauai District Engineer

ROSWELL E. HOWE

Administrative Assistant

**ANNUAL
REPORT
1958**

GENERAL PUBLIC WORKS

COMPLETED WORK INCLUDES MAJOR AIRPORT AND UNIVERSITY JOBS

Projects totaling about \$4,400,000 in estimated final costs were underway in fiscal year 1958 under supervision of the Deputy Territorial Public Works Engineer.

The 33 projects included all construction work not financed from Territorial motor vehicle fuel tax revenues or Federal highway grants.

Stockpiling of 700,000 cubic yards of coral fill material for the site of Honolulu's proposed new multi-million-dollar air terminal was completed in March, 1958, at an estimated final cost of \$600,000.

The University of Hawaii's Physical Education Building and the first unit of the Veterans' Memorial Dormitory also reached completion during the year. Largest project started was Honolulu's new McCully Street Bridge over the Ala Wai Canal, which should be ready for traffic early in 1959.

The following list summarizes general public works projects under contract in fiscal year 1958. Final cost estimates include design and engineering, rights-of-way and construction.

OAHU

Diamond Head Health Center—Alterations and construction of offices in the Spalding Building on Leahi Hospital grounds for the new Diamond Head Health Center. To be completed August 20, 1958; estimated final cost, \$19,261.

Farrington High School—Concrete bleachers, 26-tiered, 110 feet long, constructed over concrete and hollow tile physical education facilities. Completed May 31, 1958; estimated final cost, \$207,138.

Hawaii National Guard—Construction of gun pit and other works at Fort Barrette, Ewa. Completed December 12, 1957; estimated final cost, \$7,350.

Hawaii National Guard Armory, Wahiawa—Construction of a three-unit armory. Steel and hollow tile. Completed June 18, 1958; estimated final cost, \$268,654.80.

Honolulu Detention Home—Addition to the boys' wing. To be completed July 24, 1958; estimated final cost, \$25,506.39.

Honolulu International Airport—Pavement rehabilitation, Runway 8-26. Completed December 12, 1957; estimated final cost, \$18,158.98.

Stockpiling of 700,000 cubic yards of coral fill material for site of future terminal construction. Completed March 20, 1958; estimated final cost, \$600,000.

Honolulu Technical School—Construction of the Foods Building (bakeshop-cafeterium). To be completed in August, 1958; estimated final cost, \$349,000.

Iolani Palace—Improvements and additions to the electrical system of building and grounds. Completed July 22, 1957; estimated final cost, \$20,858.

Restoration of second floor lanai ceilings. Completed June 27, 1958; estimated final cost, \$30,115.88.

Library of Hawaii—Alterations and additions to the electrical system and lighting fixtures. To be completed about September 6, 1958; estimated final cost, \$22,835.

Installation of tile flooring in main lobby and other areas. Completed January 19, 1958; estimated final cost, \$10,553.

McCully Bridge—Construction of a six-lane, divided, highway bridge over the Ala Wai Canal, Honolulu, for the City and County of Honolulu. To be completed about March, 1959; estimated final cost, \$335,485.95.



Kailua's new seawall was dedicated to the late E. S. Kaaua, Hawaii District Engineer.

University of Hawaii—Agricultural Building III. Alterations and cabinet work in Rooms 319, 325, 331 and 332. Completed August 21, 1957; estimated final cost, \$5,938.27.

Installation of 10 lighting standards on Metcalf Street and in the main quadrangle. Completed October 15, 1957; estimated final cost, \$10,026.64.

Physical Education Building. One- and two-story building of concrete and steel construction with interior partitions of hollow tile. Completed September 6, 1957; estimated final cost, \$546,785.

Physical Education Building accessories. Furnishing and installation of bleachers and other equipment. Completed March 27, 1958; estimated final cost, \$61,481.

Resurfacing of Metcalf and Maile Way. Completed July 16, 1957; estimated final cost, \$8,770.68.

Veterans' Memorial Men's Dormitory. Construction of Unit "A", a reinforced concrete three-story building, with basement, built-up (tar-and-gravel) roofing. Completed July 18, 1957; estimated final cost, \$313,880.14.

Veterans' Memorial Men's Dormitory parking area on Dole Street. To be completed August 4, 1958; estimated final cost, \$18,402.81.

Waikiki Public Beach Improvement—Dredging and sand importation for beach and swimming area between the War Memorial Natatorium and Monsarrat Avenue. Completed October 25, 1957; estimated final cost, \$218,521.38.

HAWAII

Kailua, Kona, Shore Drive and Seawall—32-foot paved roadway from American Factors warehouse to Hulihee Palace; 13-foot planting strip and concrete rubble masonry seawall. Completed July 17, 1957; estimated final cost, \$194,376.

General Lyman Airport—Sand-blasting and painting of administration, restaurant and terminal buildings. Completed June 5, 1958; estimated final cost, \$7,027.

Repairing and painting deck roofs of administration building. Completed June 18, 1958; estimated final cost, \$1,244.25.

MAUI

Hawaii National Guard Armory, Kahului—Construction one-unit armory. Steel and hollow tile. Completed September 17, 1957; estimated final cost, \$153,221.

Kahului Airport—Construction of a new tower and control building. To be completed in November, 1958; estimated final cost, \$146,470.

Installation of medium intensity runway lighting for Runway 2-20 and normal standby power facilities. To be completed September 7, 1958; estimated final cost, \$130,798.22.

Olinda Prison Camp—One-story hollow tile and wood frame building for new administration offices and dormitories. Completed August 17, 1957; estimated final cost, \$238,066.40.

MOLOKAI

Molokai Airport—Pavement rehabilitation. Completed November 21, 1957; estimated final cost, \$30,036.01.

KAUAI

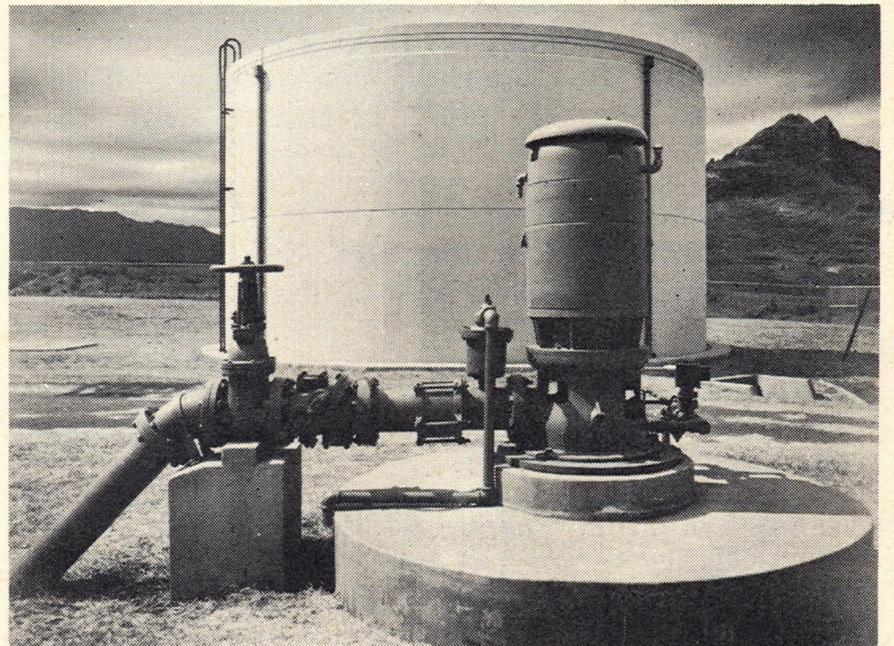
Hawaii National Guard Armory, Kapaa—Construction of a one-unit armory. Steel and hollow tile. Completed August 21, 1957; estimated final cost, \$46,782.90.

Construction of access road from Kauai Belt Road. Completed June 27, 1958; estimated final cost, \$9,173.56.

Hawaiian Homes Commission Subdivision, Anahola—Construction of reservoir, pumps, control building, pipelines, road, electrical facilities. Completed July 9, 1957; estimated final cost, \$343,325.67.

LANAI

Lanai Airport—Pavement rehabilitation. Completed October 25, 1957; estimated final cost, \$16,118.15.



This pump and reservoir serve Hawaiian Homes Commission's Anahola Subdivision.

<i>Project and Location</i>	<i>Contractor</i>	<i>Date</i>	<i>Amount</i>
Construction of Paauilo-Papalele section, Hamakua Coast Highway, DF-019-2(5), Hawaii	James W. Glover, Ltd.	June 27, 1958	909,420.00
Construction of Barber's Point Naval Air Station Access Rd., D-AD-1(2), Oahu	Honolulu Builders, Ltd.	June 30, 1958	204,040.00
		TOTAL	<u>\$7,918,144.19</u>

BUILDING AND ENGINEERING DIVISIONS

<i>Project and Location</i>	<i>Contractor</i>	<i>Date</i>	<i>Amount</i>
Pavement rehabilitation, Lanai Airport	Hawaiian Bitumuls & Paving Co., Ltd.	Oct. 3, 1957	\$ 14,889.76
Furnishing and installing accessories, Physical Education Building, University of Hawaii, Oahu	Roy C. Pullen Co.	Oct. 3, 1957	55,692.50
Pavement rehabilitation, Molokai Airport	Molokai Rock & Equipment Co.	Oct. 4, 1957	28,189.21
Construction of gun pit and other works at Fort Barrette, Ewa, Oahu	A. W. Yee	Oct. 21, 1957	7,000.00
Installation of tile flooring for the Library of Hawaii, Oahu	Honolulu Roofing Co., Ltd.	Nov. 6, 1957	10,146.00
Restoration of second floor lanai ceilings, Iolani Palace, Oahu	Herbert T. Hayashi	Nov. 18, 1957	38,747.20
Pavement rehabilitation, Runway 8-26, Honolulu International Airport	Hawaiian Bitumuls & Paving Co., Ltd.	Dec. 6, 1957	17,883.40
Installation of medium intensity runway lighting for Runway 2-20 and normal standby power facilities at Kahului, Maui	Aruda Electric Co., Ltd.	Dec. 17, 1957	115,918.22
Construction of new TOWAC Building at Kahului Airport, Kahului, Maui	Ideal Contractors	Dec. 30, 1957	132,670.00
Painting and rehabilitation of buildings at General Lyman Airport, Hilo, Hawaii	S. K. Oda, Ltd.	Jan. 15, 1958	6,693.00
Construction of Bakeshop-Cafetorium, Honolulu Technical School, Oahu	Pacific Construction Co., Ltd.	Jan. 23, 1958	310,250.00
Access Road to Kapaa Armory, Kauai	E. F. Nilson	Feb. 15, 1958	6,786.85
Additions to the Boys' Wing, Honolulu Detention Home, Oahu	Herbert T. Hayashi	March 4, 1958	20,707.00
Construction of McCully Bridge, Waikiki, Oahu	J. M. Tanaka, Inc., & Construction Equipment, Inc.	March 31, 1958	335,486.95
Additional painting and repairs, General Lyman Airport buildings, Hilo, Hawaii	Katsumi Sakai	April 9, 1958	1,185.00

DEPARTMENT OF PUBLIC WORKS - FINANCIAL SUMMARY
Fiscal Years 1956 - 1958

	1956	1957	1958	Total
BALANCE All Funds at July 1, 1955				\$ 1,981,431.87
RECEIPTS:				
Territorial Appropriations	\$ 8,857,010.00	\$13,195,360.00	\$ 2,071,899.00	
County Contributions	-- \$	--	30,355.58	
Governor's Contingent Fund	--	--	3,000.00	
Other Receipts	127,328.14	50,971.60	273,480.93	
Total Receipts	\$ 8,984,338.14	\$13,246,331.60	\$ 2,378,735.51	\$24,609,405.25
Total Available				\$26,590,837.12
EXPENDITURES:				
Administration	\$ 53,196.53	\$ 61,680.14	\$ 58,562.74	
Land Acquisition	22,823.71	819,720.39	136,376.38	
Design & Construction	1,434,996.22	2,675,767.00	1,203,344.73	
Operation & Maintenance	584,406.74	640,303.26	782,681.37	
Sub-Total (Including Encumbrances)	\$ 2,095,423.20	\$ 4,197,470.79	\$ 2,180,965.22	
Lapses & Transfers	208,506.59	462,586.01	104,180.06	
Total	\$ 2,303,929.79	\$ 4,660,056.80	\$ 2,285,145.28	\$ 9,249,131.87
BALANCE All Funds at June 30, 1958				\$17,341,705.25

SERVICES RENDERED & PROJECTS SUPERVISED BY DEPARTMENT OF PUBLIC WORKS
PAYABLE OUT OF FUNDS OF OTHER DEPARTMENTS
Fiscal Year Ending June 30, 1958

Department	Maintenance & Operation	Design & Construction	Total
Board of Agriculture & Forestry		\$ 1,164.78	\$ 1,164.78
Department of Comptroller	\$ 106.82	--	106.82
Bureau of the Budget	123.52	--	123.52
City & County, Building Department	--	11,451.25	11,451.25
City & County, Bureau of Plans	--	--	--
County of Hawaii	--	2,137.61	2,137.61
County of Maui	--	124.20	124.20
Hawaii National Park	--	387.95	387.85
University of Hawaii	1,631.38	55,692.50	57,323.88
McKinley High School	205.20	--	205.20
Territorial Board of Accountancy	87.22	--	87.22
Attorney General's Office	858.39	--	858.39
Economic Planning & Coordination Authority	1,595.33	--	1,595.33
Fire Marshal's Office	151.40	--	151.40
First Circuit Court	2,040.58	--	2,040.58
Office of the Governor	849.12	--	849.12
Hawaii Aeronautics Commission	--	602,695.18	602,695.18
Board of Harbor Commissioners	--	296.88	296.88
Hawaii Housing Authority	--	142.56	142.56
Hawaii Water Authority	3,556.48	6,524.55	10,081.03
Hawaiian Homes Commission	2,054.57	3,624.57	5,679.24
Department of Health	6,520.05	1,200.00	7,720.05
Department of Institutions	3,078.12	3,453.07	6,531.19
Territorial Insurance Commission	139.53	--	139.53
Department of Labor & Industrial Relations	31,594.39	--	31,594.39
Library of Hawaii	1,502.02	--	1,502.02
Territorial Planning Commission	757.69	--	757.69
Department of Public Instruction	474.33	--	474.33
Department of Public Lands	386.37	--	386.37
Territory of Hawaii Employees' Retirement System	145.42	--	145.42
Department of Public Welfare	11,884.17	--	11,884.17
Secretary of Hawaii	380.20	--	380.20
Bureau of Sight Conservation	473.63	--	473.63
Territory of Hawaii Supreme Court	219.46	--	219.46
Survey Department	443.69	--	443.69
Territorial Tax Commissioner	5,401.38	--	5,401.38
Veterans' Council	222.67	--	222.67
Hawaii National Guard	--	7,050.75	7,050.75
Totals	\$76,883.23	\$695,945.85	\$772,829.08

The new tower and control building at Kahului, Maui, airport was nearing completion at the end of fiscal '58



FRONT:
Steam still rises from 1955 lava flows crossed by new Pahoa-Kalapana Road on the Island of Hawaii

Gov. Quinn greets E. F. Morrison, tunnel engineer, as he "holes out" the 1080-foot Nuuanu tunnel bore

