

TERRITORY OF HAWAII PUBLIC WORKS



NEW ARCHIVES BUILDING

YEAR ENDING JUNE 30, 1953

TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS
HONOLULU

June 30, 1953

Honorable Samuel W. King
Governor, Territory of Hawaii
Iolani Palace
Honolulu, T. H.

Dear Governor King:

I am submitting the annual report for the Department of Public Works for the fiscal year ending June 30, 1953.

The Department let \$5,441,938 in contracts for new highway projects in the continuing effort to correct the deficiencies on our Territorial Highway System.

A study completed during the year shows that highway construction in Hawaii has not been keeping pace with the growth of traffic. Without increased revenues, we can only expect to fall farther behind each year.

The Highway Department continued construction on three routes vital to Oahu commuters—the Honolulu-Pearl Harbor Road (Makai Arterial), the Mauka Arterial (Honolulu's first expressway), and the new Nuuanu Pali Highway. The 40-mile Hamakua Coast Route, Big Island's sugar lifeline, is now about two-thirds complete. Other highway contracts covered improvements on all islands in the Federal-Aid system, except Lanai.

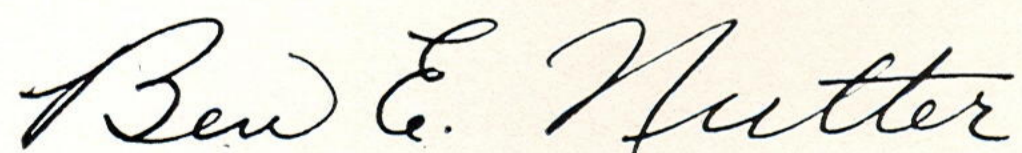
Contracts for airports and general public works totaled \$1,707,145. Biggest airport contracts were for lighting and power facilities at General Lyman Field at Hilo and for medium intensity lighting at Honolulu International Airport. Important buildings under contract included the new aquarium at Waikiki and the new archives building. There was considerable public interest in the construction of a seawall and enclosed swimming area offshore of Kuhio Beach Park. Other public works contracts expanded and improved schools and hospitals.

There were several important administrative changes. Robert M. Belt resigned as superintendent of public works in December, 1952, after 21 years of service with the department. More than any other single person, Mr. Belt is responsible for the department's record of achievement for the year. B. B. Montgomery, assistant superintendent of public works, succeeded Mr. Belt and served as superintendent until May, 1953. After my appointment as superintendent, Mr. Montgomery resumed the position of assistant superintendent and retained it until after the close of the fiscal year. His services to the department in a difficult period of transition deserve acknowledgment.

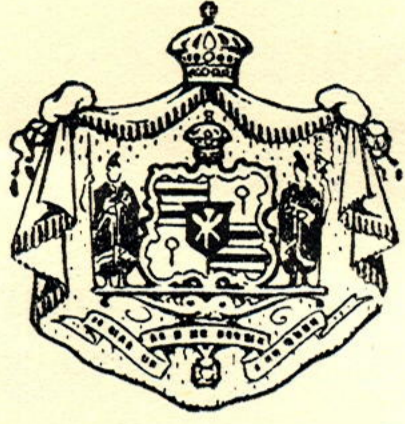
Two other persons resigned from the department with records of important service. A. L. Burdick, district engineer for Maui, Molokai and Lanai, retired in September, 1952, after 39 years with the department. James Morrison resigned as architect in February, 1953. Mr. Morrison supervised the designing of public buildings during the postwar period of accelerated construction.

I would like to commend the entire staff for maintaining scheduled production during a time of changing leadership.

Yours very truly,



Superintendent of Public Works



ADMINISTRATIVE STAFF
Department of Public Works
JUNE 30, 1953

Superintendent of Public Works
and Territorial Highway Engineer:
BEN E. NUTTER

Highway Design Engineer:
JOHN C. MYATT

Highway Construction
and Maintenance Engineer:
R. W. HENDRY

Building Structural Engineer:
WILLIAM S. C. PUNG

Airport Engineer:
TIM HO

Finance Executive:
ANDREW C. NICOLL

Territory of Hawaii PUBLIC WORKS

ANNUAL REPORT TO THE GOVERNOR
SUPERINTENDENT OF PUBLIC WORKS
FISCAL YEAR ENDING JUNE 30, 1953

General Public Works

New public works contracts of a non-highway nature totaled \$1,735,445 for the fiscal year ending June 30, 1953, as compared with \$2,641,271.97 for the previous year.

New contracts in this category have declined in dollar volume each year since the fiscal year ending June 30, 1949, when they reached the all-time high of \$8,091,220.50, including architectural and engineering services. That year saw the start of many projects long delayed by war and postwar conditions.

Included in the non-highway contracts awarded in the 1953 fiscal year are \$642,665.90 in airport contracts and \$1,044,386.20 worth of other contracts.

Thirty-one general public works projects, totaling \$2,875,651, were in progress during the fiscal year under supervision of the Building Division. This figure includes all of the Department's non-highway projects which were underway during the year, except for six which were under supervision of the Airport Division. They are discussed on the following page.

The Department of Public Works acts as construction agent for other departments of government in superintending the contracts, and in most cases is also responsible for design.

Biggest new contract, \$286,889, was for the Aquarium at Waikiki. The new reinforced concrete onshore unit will replace a delapidated, 49-year-old building which will be demolished. The Legislature is expected to provide eventually for construction of an offshore unit with underseas viewing tanks.

As the fiscal year ended, the contractor was working toward a July 31, 1953, completion date for a new building for the Public Archives of Hawaii. The two-story, reinforced concrete structure occupies a site on Iolani Palace grounds behind the present archives. The contract cost was \$262,800.

The new contract which probably attracted the greatest public interest was a \$82,810 project at Waikiki Beach. The contractor built a 750-foot seawall offshore of Kuhio Beach Park, and dredged a swimming area along the protected side. A later contract will provide for hauling in new sand to widen the beach in this area.

The project was a sequel to the \$300,00 beach widening project completed in July, 1951. The Legislature in 1953 showed its confidence in the progress of the beach improvement program by voting the department \$835,000 for continued development.

Other public works projects underway during the year expanded and improved schools and hospitals.

Vocational schools on Oahu, Hawaii, Kauai and

Maui benefited from the year's program of construction. Three contracts, totaling \$354,463, will give Kauai Vocational School an administration-classroom building and four shop buildings. Two shop buildings were completed at Hawaii Vocational School and one shop building at Maui Vocational School. Grading and asphaltic paving were completed at Honolulu Vocational School.

Hospital construction included major alterations at Leahi and the installation of a boiler at Puumaile.

Seven projects improved airport facilities on Oahu, Hawaii and Kauai. New passenger and freight terminals were taking shape at General Lyman Airport and at new Kamuela Airport as the fiscal year ended. Important alterations to Honolulu International Airport and Lihue Airport were completed.

Projects under construction in the fiscal year ending June 30, 1953, under supervision of the Building Division are listed below. All figures are original contract award figures, excluding extras.

OAHU

Hale Mohalu, Pearl City—Fire sprinkler system. 60% completed. \$14,476.

Honolulu International Airport—Terminal building alterations, including roof on apron side. Completed August 18, 1952. \$9,677.

Honolulu Vocational School—Grading and asphaltic paving. Completed September 23, 1952. \$4,592.

Kapuaiwa (Board of Health) Building—Transformer vault. Installation completed July 31, 1952. \$3,887.

Kawainui Canal—Flood control canal, 1.75-mile long. Completed July 29, 1952. \$190,296.

Kawainui Canal Bridge—Six-span, steel-reinforced concrete bridge at Kalaheo Ave. Completed November 6, 1952. \$86,860.

Kuhio Beach Park—Construction of a 750-foot seawall and dredging of a swimming area. 92% completed. \$82,810.

Leahi Hospital—Alterations to administration building. Completed September 10, 1952. \$255,430.

Alterations to three-story ward building. Completed October 3, 1952. \$79,432.

Installation of Venetian blinds in administration building. Completed July 26, 1952. \$3,686.

Marine Biological Laboratory and Aquarium—Reinforced concrete and limestone onshore unit. 45% completed. \$286,889.

Public Archives of Hawaii—Reinforced concrete two-story building. 93% completed. \$262,800.

Waikiki-Kapahulu Branch, Library of Hawaii—One-story building, stone walls, shake roof. Completed July 3, 1952. \$150,767.

HAWAII

General Lyman Airport—Passenger terminal. Single- and multi-storied building of wood frame and reinforced concrete. 97% completed. \$247,963.

Air conditioning of control tower cab. 95% completed. \$4,493.

Freight terminal. Hollow tile and corrugated iron building with refrigeration facilities. 15% completed. \$91,387.

Tee hangar. Steel frame and corrugated iron building. 10% completed. \$16,391.

Hawaii Vocational School—Two shop buildings. One-story, reinforced concrete. Completed April 18, 1953. \$164,000.

Kamuela Airport—Passenger and freight terminal building. One-story, wood frame building. 73% completed. \$54,352.

Puumaile Hospital—Boiler installation. 99% completed. \$19,995.

Waimea Irrigation Project—Installation of 18,343 feet of 18- and 24-inch pipe. Road improvements. Completed January 24, 1953. \$154,036.

Waimea-Kawaihae Pipeline Project—Purchase of three steel tanks. Completed June 15, 1953. \$7,706.

Purchase of other waterworks materials under two contracts. Completed June 15, 1953. \$97,599.

Installations of Units I and II of three units. 9,350 feet of eight-inch, and 27,600 feet of six-inch pipe and three steel tanks. 10% completed. \$86,888.

KAUAI

Hanapepe Health Center—One-story frame building. 92% completed. \$29,470.

Kauai Vocational School—Administration and classroom building. Reinforced concrete. 85% completed. \$97,575.

Two shops, auto and sheet metal. Reinforced concrete. Completed January, 1953. \$153,658.

Two shops, machine and carpentry. Reinforced concrete. 98% completed. \$103,230.

Lihue Airport—Alterations to terminal building. Completed October, 1952. \$74,500.

Three tee hangars. Steel frame with corrugated aluminum roof and siding. Completed August 17, 1952. \$13,976.

MAUI

Maui Vocational School—Service station and paint shop. One-story concrete hollow tile building with corrugated transite roof. Completed February 22, 1953. \$26,830.

The Airport Division

Six airport projects, totaling \$1,171,739, were in progress during the fiscal year under supervision of the Department's Airport Division. These projects are in addition to eight airport contracts, totaling \$512,739, supervised by the Department's Building Division and listed on the preceding page.

In June, 1953, the Hawaii Aeronautics Commission requested the Department of Public Works to serve as its planning agency. Up to that time, the Department had served as construction agent only.

The Airport Division is chiefly concerned with runways, roads and lighting within airports, while airport structures are the design and construction responsibility of the Building Division. During the fiscal year just ended, contracts supervised by the Airport Division improved airports on three islands.

Projects which were under construction in the fiscal year ending June 30, 1953, under the supervision of the Airport Division are listed below. Figures for completed contracts represent the final payments. Other

amounts listed are original contract award figures, excluding extras.

General Lyman Airport—Construction of paved areas at the passenger terminal. 25% completed. \$83,833.

Installation of high intensity lighting system for Runway 8-26. 45% completed. \$139,490.

Honolulu International Airport—Installation of medium intensity lighting system for Runway 4L and taxiways. 42% completed. \$126,068.

Kahului Airport—Purchasing of runway lighting equipment. Estimated delivery date, August 20, 1953. \$24,649.

Resurfacing of South Road. Completed May 25, 1953. \$11,204.

Kamuela Airport—Grading and paving for construction of runway and terminal facilities. Completed June 3, 1953. \$786,449.

ARCHITECTURAL AND ENGINEERING SERVICES—*General Public Works*

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Agricultural report for proposed irrigation and water utilization project, Waimea, Hawaii	Donald Bell	July 29, 1952	\$2,400.00
Engineering services for proposed irrigation and water utilization project, Waimea, Hawaii	Belt, Collins & Associates, Ltd.	Feb. 4, 1953	14,000.00
TOTAL			\$16,400.00

AIRPORT CONSTRUCTION

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Installation of runway lighting and standby power facilities, General Lyman Field, Hilo, Hawaii	American Electric Co.	Oct. 2, 1952	\$147,490.30
Installation of medium intensity lighting for runway 4-L and taxiway, Honolulu Airport	Arruda Electric Co.	Oct. 10, 1952	146,068.05
Air-conditioning of control tower cab, General Lyman Airport, Hilo, Hawaii	S. K. Oda, Ltd.	Nov. 17, 1952	5,293.00
Construction of passenger and freight terminal building, Kamuela Airport, Kamuela, Hawaii	M. Yamane, Contractor	March 2, 1953	60,352.82
Furnishing electrical equipment for Kahului Airport, Kahului, Maui	Hawaiian Electric Co.	March 18, 1953	24,649.97
Construction of paved areas, General Lyman Field, Hilo, Hawaii	S. K. Oda, Ltd.	March 20, 1953	91,833.00
Construction of Molokai Airport drainage system, Molokai	Territorial Contractors	April 23, 1953	24,596.00
Resurfacing of South Road, Kahului Airport, Maui	Hawaiian Bitumuls Co.	May 8, 1953	11,204.82
Construction of freight terminal building, General Lyman Airport, Hilo, Hawaii	S. K. Oda, Ltd.	May 18, 1953	101,387.00
Construction of hangar, General Lyman Airport, Hilo, Hawaii	S. K. Oda, Ltd.	May 29, 1953	17,891.00
TOTAL			\$630,765.96

ARCHITECTURAL AND ENGINEERING SERVICES—*Airports*

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Architectural services for construction of terminal building, Kamuela Airport, Hawaii	Theodore A. Vierra	Aug. 28, 1952	\$4,500.00
Architectural services for construction of freight terminal, General Lyman Airport, Hilo	Theodore A. Vierra	Dec. 17, 1952	7,400.00
TOTAL			\$11,900.00

Department of Public Works
SUMMARY OF FINANCIAL REPORT—PUBLIC WORKS (ALL FUNDS)

Fiscal Years 1951, 1952 and 1953

	1951	1952	1953	Total
Balance All Funds at July 1, 1950.....				\$5,636,027.10
Receipts:				
Territorial Appropriations	\$ 290,000.00	\$4,037,701.50	\$ 173,000.87	
Territorial Insurance Fund	53,000.00			
Federal Grants	156,735.00	29,657.15	4,455.00	
Governor's Contingent Fund	325.00			
Other Receipts	386,772.85	468,760.58	311,944.94	
Total Receipts	\$ 886,832.85	\$4,536,119.23	\$ 489,400.81	5,912,352.89
Total Funds Available.....				\$11,548,379.99
Disbursements:				
(Expenditures Paid and Obligations Incurred)				
Administration	\$ 53,328.77	\$ 51,317.84	\$ 53,134.39	
Land Acquisition	117,365.56	12,617.14	245,286.20	
Design and Construction	2,261,784.63	1,966,795.35	2,142,411.99	
Operation and Maintenance.....	742,682.23	743,528.01	801,503.88	
Total Disbursements	\$3,175,161.19	\$2,774,258.34	\$3,242,336.46	9,191,755.99
Total Funds Lapsed and Transferred.....	\$ 59,255.97	\$ 25,314.43	\$ 21,648.83	106,219.23
Balance All Funds at June 30, 1953.....				\$2,250,404.77

Department of Public Works
STATEMENT SHOWING SERVICES RENDERED TO OTHER DEPARTMENTS
PAYABLE OUT OF FUNDS UNDER THEIR CONTROL

Fiscal Year 1953

Department	Design and Construction	Operation and Maintenance		Total
Territorial Auditing Department	\$	\$ 66.79	\$	66.79
Civil Defense Agency	3,967.00	496.99		4,463.99
Fair Commission		16.61		16.61
Fire Marshal's Office		120.83		120.83
First Circuit Court		14.89		14.89
Governor's Office		442.92		442.92
Board of Harbor Commissioners.....	12,287.59	4,668.31		16,955.90
Hawaii Aeronautics Commission	757,876.32			757,876.32
Hawaii Housing Authority	176.97	2,117.45		2,294.42
Hawaiian Homes Commission	49,141.80	866.81		50,008.61
Department of Health	4,122.56	1,078.87		5,201.43
Department of Institutions	15,730.00	1,648.89		17,378.89
Department of Public Instruction.....		273.25		273.25
Insurance Commission		42.18		42.18
Juvenile Court		511.51		511.51
Department of Labor and Industrial Relations.....		29,624.22		29,624.22
Land Court		162.26		162.26
Library of Hawaii		922.40		922.40
McKinley High School		152.06		152.06
County of Maui	227.41			227.41
Salary Standardization Board		264.86		264.86
Secretary of Hawaii		6,711.14		6,711.14
Bureau of Sight Conservation.....		306.07		306.07
Commission on Subversive Activities.....		235.87		235.87
Survey Department		254.13		254.13
Tax Commissioner		1,578.82		1,578.82
University of Hawaii	1,568.42			1,568.42
Department of Public Welfare.....		11,461.28		11,461.28
Total.....	\$845,098.07	\$64,039.41		\$909,137.48