

The Honorable John Waihee, Governor, State of Hawaii

am pleased to submit the Department of Transportation's Annual Report for the fiscal year ending June 30, 1993.

This has been a year of accomplishment and diligent efforts to resolve difficult situations.

What I am most proud of is our response to the biggest natural disaster to hit the Department, our people and facilities, Hurricane Iniki.

On September 11, 1992, the Hurricane and its 160-mph winds moved directly over Kauai, inflicting wide-spread damage that included the Department's facilities at Lihue and Port Allen airports; Nawiliwili and Port Allen harbors; and highways around the island.

Once the hurricane passed, these facilities became the lifelines for the people of the Garden Isle; the only way to bring in emergency supplies and to allow visitors who were caught on the island to get away.

It is unfortunate that it sometimes takes a disaster, such as a hurricane, to demonstrate exactly what type of people you have. But I am pleased to say our airports, harbors and highways personnel performed admirably under very difficult circumstances.

As soon as Iniki's winds abated, Department personnel went to work cleaning up the facilities so they could be used as quickly as possible.

At Lihue Airport, this meant working all night to clear the runways of roofing material, trees, canoes and other debris. When the first plane arrived at daybreak on September 12, it found an airport, that despite uncertain electrical power and telephone service, was functioning and ready to play its very important role in providing emergency supplies, food and water to Kauai.

Lihue Airport also became the focal point for people who wanted to leave the island. Our airports staff arranged to have 7,000 people flown off the island in the two days following the storm and about 1,000 more on the third day.

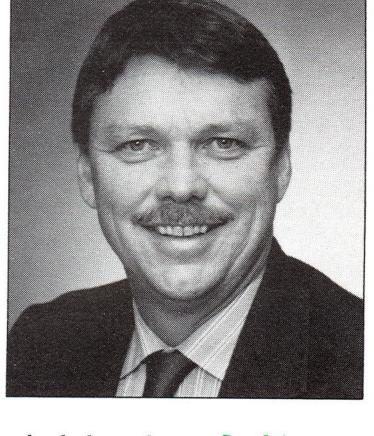
At Nawiliwili Harbor, waves generated by Hurricane Iniki inundated the Harbors Division offices with more than a foot of ocean water and the winds damaged the pier sheds and several other buildings.

Our harbors staff and private contractors began cleaning up the facilities at first light and the

harbor was operational when the first barge arrived the next day.

Port Allen Harbor was also operational within 48 hours after the hurricane passed.

For the most part, Kauai's 108 miles of state highways were not damaged by the storm. But mud and debris covered the roads in many locations and damaged signs and utility poles, and trees made passage through certain sections impossible.



Rex Johnson, Director, State Department of Transportation

Within 24 hours, highway crews had cleared a traffic lane between Lihue and Kapaa. Eventually, 6,000 signs had to be replaced, 15 traffic signal systems had to be restored, pavement at Kekaha had to be reconstructed and missing pavement markers replaced.

DOT's response to the Hurricane was not limited to its Kauai staff. Employees from other islands flew to Kauai to assist in the clean-up and allow the Kauai employees to attend to matters at home, as well as at work.

One discordant note in the aftermath of the hurricane, was the appearance of aircraft over Kauai that were not part of the emergency relief operation, but rather private entrepreneurs from other islands offering sightseeing tours.

Consequently, we have begun efforts to purchase the Princeville Airport so that in times of emergency we would have complete control of aviation facilities.

In addition to responding to the emergency conditions caused by Hurricane Iniki, we continued our efforts to improve our facilities statewide.

The Interstate Route H-3 passed a milestone with completion of the \$135 million Windward Viaduct.

We acquired land rights to all of Halawa Valley, from ridge to ridge.

Te continued the redesign of a section of the H-3 in Halawa Valley to avoid two sites considered by some Hawaiians to have cultural significance. The estimated additional cost for the redesigning and building of this section has increased from \$10 million to \$42 million and delayed completion of the H-3 by two years. It is now anticipated that the project will be completed in mid-1996.

The Department has established a Transportation Demand Management (TDM) office to originate and implement programs designed to reduce the number of vehicles on our roads.

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Previous page: Workers at Lihue Airport clean up debris left by Hurricane Iniki.

Above: Aerial

Wailoa River

Bridge in Hilo

Front cover:

Construction

on the new

Nawiliwili

continues.

Pier 3 at

Harbor

view of the

completed

ne highly visible TDM measure begun during the year was a commuter ferry service between Barbers Point Harbor and Honolulu Harbor. However, the ferry service did not attract enough riders to make it a viable enterprise and service was suspended for a year.

Our Telework Center at Mililani is a success and we are now working to establish a Telework Center in Kapolei to allow employees who live in the Leeward Oahu area to work from Kapolei rather than commute into Downtown Honolulu each day. Those working in the Telework Center would use the "electronic highway" to move work back and forth rather than adding to the congestion on our roads.

For the sixth consecutive year, the Department joined with the City and County of Honolulu Department of Transportation Services and other private agencies to conduct the "Beat the School Jam" program. We encouraged carpooling, staggering work hours, adjusting travel times, and riding the bus, a bicycle or walking as a means reducing congestion during the transition from summer traffic to school traffic.

We expanded our "Dare to Share" campaign, which began last year, into RideShare Week. Employees at various government agencies and private businesses were encouraged to reduce traffic congestion by not driving alone during rush hour.

Transportation System Management (TSM) approaches to reducing congestion, increasing the efficiency of the existing roads through the use of contraflow, shoulder and High Occupancy Vehicle lanes, are being handled by our Traffic and Construction branches.

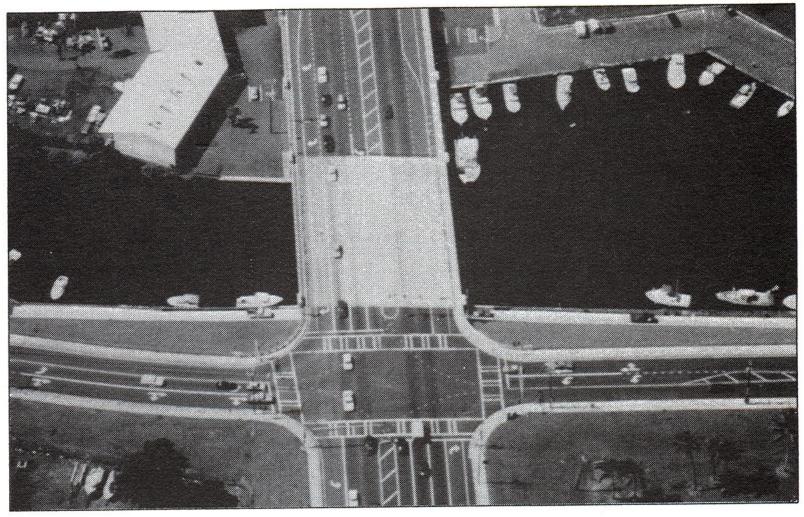
We are also juggling positions and adding personnel, to complete the intermodal planning required under the federal Intermodal Surface Transportation Efficiency Act (ISTEA).

The Department is also looking at innovative ways of informing the public about its projects. One, an interactive, multi-media system, was developed in cooperation with the Department of Business, Economic Development and Tourism and the Pacific International Center for High Technology Research.

tilizing computer technology, the system can be programmed to make a complete presentation of a project or to allow individuals to select aspects of the presentation for either replay or further explanation.

We are continuing the expansion of our airport system in order to meet the demands placed on it by local, Mainland and international travelers.

Nearing completion at Honolulu International Airport is the Central Building and parking lot of the Interisland Terminal Complex. The seven-level facility is intended to take care of the needs of our interisland travelers well into the next century.



We completed the purchase of the Kapalua-West Maui Airport from Hawaiian Airlines and will continue to operate it under the same conditions.

One of the difficult situations which we are working diligently to resolve is landing fees and airline leases.

Duty Free contract, more of the costs of operating and maintaining the airport system have to be borne by the airlines, which enjoyed the benefits of the unusually large previous Duty Free contract.

We are continuing to negotiate with the airlines, as we have been doing for more than a year, in an effort to reach an agreement that is acceptable to all.

The Department continues to work with the Aloha Tower Development Corporation in the development of the Aloha Tower Complex.

In June, our Adopt-A-Highway program reached its second anniversary. Statewide, 381 groups have pledged to do their part to make our highways look better by picking up litter on a two-mile section of highway a minimum of four times a year for two years.

Our Traffic Helicopter Program completed its third year. "Capt. Irwin" Malzman provides traffic reports four times an hour during the morning and afternoon peak traffic periods, Monday through Friday. The "Capt. Irwin" reports are carried on more than 20 radio stations and in return we have received more than \$1 million worth of air time for our traffic safety, seat belt, pedestrian safety, and DUI public awareness campaigns.

Sincerely,

Rex Johnson

Director of Transportation

The Airports Division owns and operates 15 airports throughout the state.

The Oahu District manages Honolulu International Airport, the 15th busiest airport in the United States and 20th busiest in the world; Dillingham Airfield; and a small airstrip at Ford Island which is leased from the federal government for general aviation.

The Maui District manages Kahului, Hana, Lanai, Molokai, and Kalaupapa airports along with the 50-acre Kapalua-West Maui Airport, which the state purchased in October 1992 and began operating on April 1, 1993.

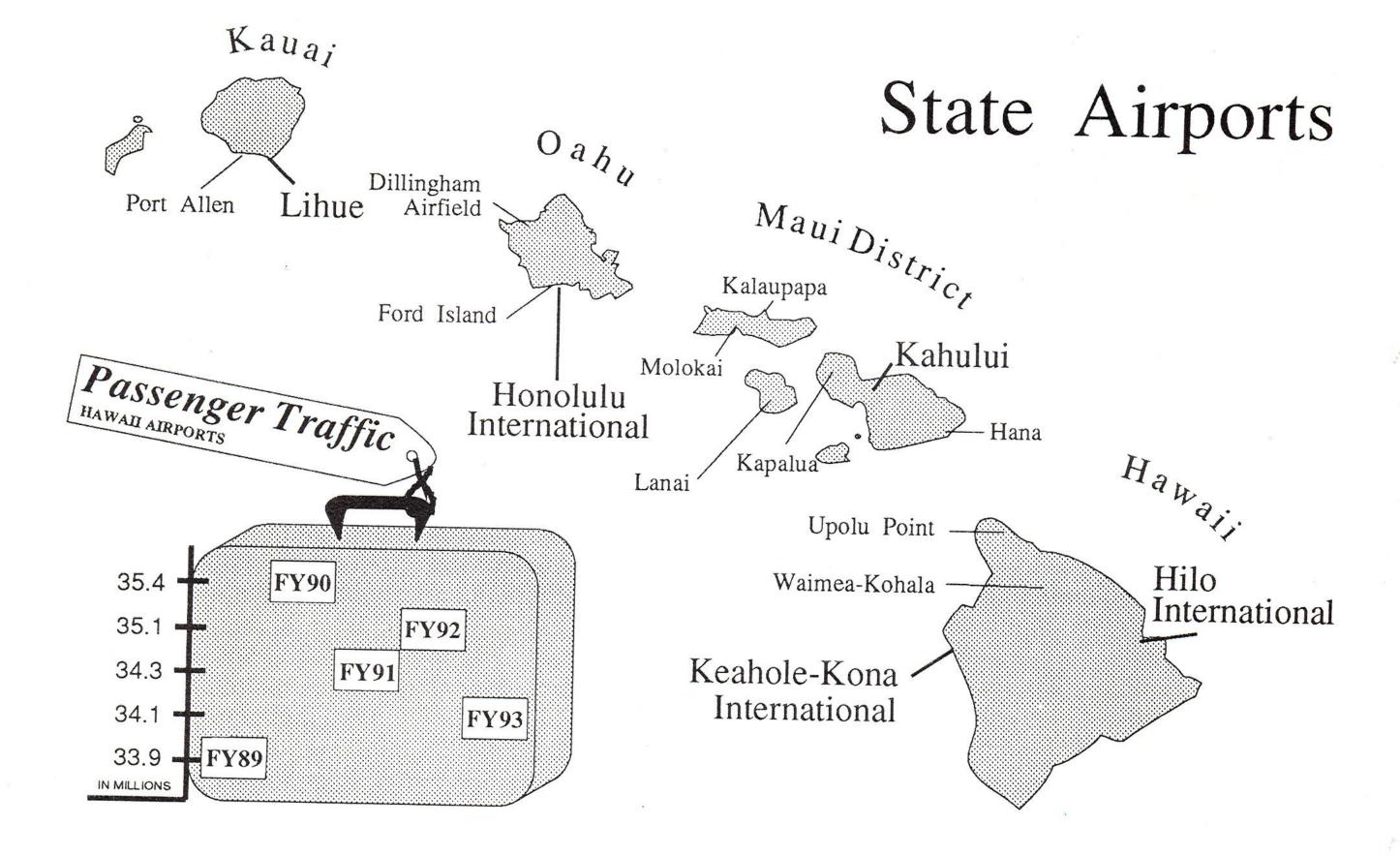
The Kauai District manages Lihue Airport and a general aviation airport at Port Allen.

The Hawaii District manages Hilo International, Keahole-Kona International, Waimea-Kohala, and Upolu airports.

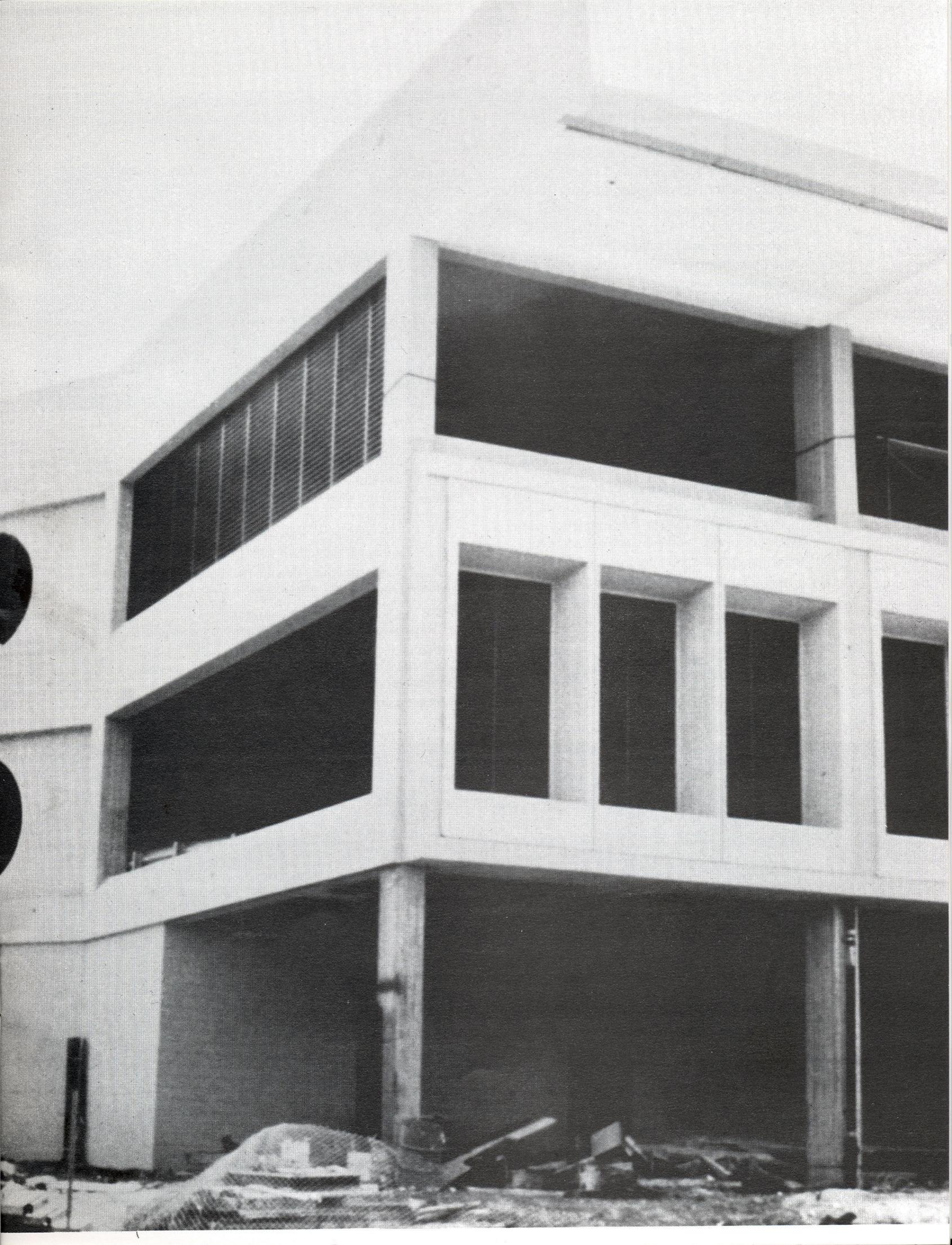
Nationally and worldwide, Honolulu International Airport (HIA) remained among the busiest airports. HIA handled 22,204,488 passengers in FY93, down 3 percent from FY92. HIA also handled 340,416 tons of cargo in FY93, down 9.1 percent from the previous year.

The airport system has experienced a substantial drop in revenues due to the reduced amount of the Duty Free concession contract. The revenue generated from the Duty Free contract declined from approximately \$300 million in the final year of the old contract to \$100 million in the first year of the new contract.

his reduction, coupled with the current economic difficulties being experienced by the airlines, has led to the deferment of the new International Terminal Building (ITB) and other construction projects.



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At the end of the fiscal year, the new Interisland Terminal Complex (IIT) at HIA was almost ready to open its doors for business. The opening of this \$130 million structure will culminate more than 10 years of planning and construction. It is the largest airport project undertaken to date by the state Department of Transportation.

The seven-floor, 600,000-square-foot facility includes baggage claim and ground transportation facilities, ticket lobbies, concessions, passenger waiting areas, an intra-airport transportation station for the Wiki Wiki Bus and provisions for the

future Automated People Mover (APM), public parking for 1,700 vehicles and state Airports Division offices.

ork continues on the new wide body aircraft gates 31-34 at the Ewa Concourse. When completed in late 1993, this project will provide four additional gates to service overseas and international flights.

Work has also begun on the new Airport
Training Center Building on the South Ramp.
When completed in 1994, this project will provide
work shops and classrooms for Airports Division
personnel and up to 150 Honolulu Community
College students studying aviation related fields.

Kahului Airport is the second busiest airport in Hawaii, handling 5,394,744 passengers in FY93, an increase of 9.2 percent over the previous year.

The final phase of the new Kahului Airport Terminal Building was completed in February 1993. Four additional holdrooms and 12 aircraft gates were constructed in the \$72 million project to



better serve the increasing number of interisland and domestic travelers.

The relocation of Kahului Airport's Aircraft Rescue and Fire Fighting (ARFF) Facility continued through FY93 and is scheduled for completion in late 1994.

ihue Airport suffered a 33.4 percent passenger decline to 1,839,430 due to Hurricane Iniki. Despite the drop, Lihue Airport remained the fourth busiest airport in the state.

To prepare for projected increases in passenger traffic, the Airports Division has updated the Lihue Airport Master Plan and completed several airside and landside improvement projects.

Recommendations in the master plan for improvements include: extension of Runway 17-35 to 8,500 feet to adequately accommodate the landing and takeoff of non-stop widebody aircraft to the Mainland; a terminal area expansion, including extension of the aircraft parking apron, passenger terminal concourse and the construction



Previous Page: Gates 31-34 at HIA were nearing completion.

Top: Damage done at Lihue Airport by Hurricane Iniki.

Right: A new cargo building was completed at Lanai Airport.

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of four new connecting taxiways; an additional cargo building; new Aircraft Rescue and Fire Fighting Station; and a new National Weather Service facility.

eahole-Kona International Airport handled 2,209,657 passengers in FY93, an increase of 4.2 percent over FY92, making it the third busiest airport in the state.

The Keahole runway/taxiway overlay is scheduled for completion in mid 1994. This project will strengthen the existing 6,500-foot runway and associated taxiways.

Also ongoing is the runway/taxiway extension. This project will extend Runway 17-35 to 11,000 feet, which will allow fully loaded wide-body aircraft to takeoff from Keahole.

Hilo International Airport is the fifth busiest airport in the state, handling 1,594,532 passengers in FY93, an increase of 4.4 percent over FY92.

Among the major improvements underway at Hilo International Airport is the Aircraft Rescue and Fire Fighting Training Facility. Construction began on this project in November 1992 and is expected to be completed in November 1993. This project will provide the facilities for the ARFF drills required by the FAA.

Also at Hilo International Airport, a general aviation project to build eight new T-hangars began in March 1993 and is scheduled for completion in FY94.

anai Airport was used by 139,762 passengers in FY93, a1.0 percent increase over the previous year.

With an emerging tourist industry on the island of Lanai, the Airports Division began construction of a new terminal in January 1993. The single-story, 15,000-square-foot terminal will be five times larger than the existing terminal and will include space for a gift shop and food and beverage concessions. It will have enough counter space for six airlines.

The new terminal is scheduled to be completed in early 1994 along with infrastructure improvements to the airport access road, parking and utilities.

Construction of a new \$450,000 cargo building which began in April 1992 was completed in February 1993. The 4,000 square foot, metal-frame building consists of 2,400 square feet of cargo space, a maintenance shop, maintenance office and an emergency generator room.

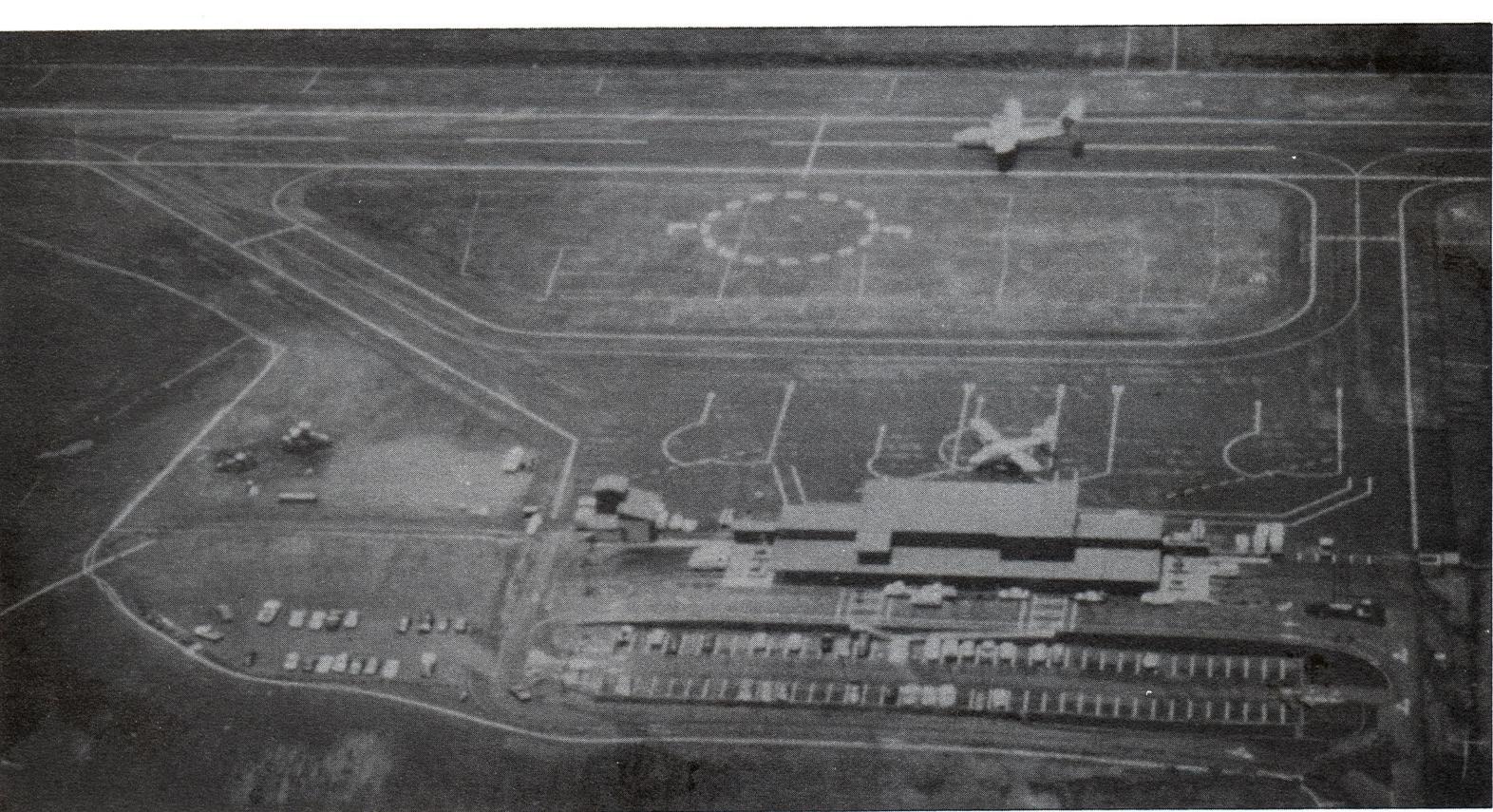
olokai Airport was used by 301,832 passengers in FY93, a decrease of 5.2 percent from FY92.

Renovation work is currently underway on the passenger terminal and support facilities to accommodate existing passenger traffic at Molokai Airport.

Renovation of the 24,000 square foot terminal began in November 1992 and is expected to be completed in late 1993 at an estimated cost of \$1.5 million.

Once completed, the terminal will have an upgraded passenger waiting area, ticket lobby, air cargo handling facilities and tenant lease area.

Aerial View of the Kapalua West Maui Airport



THE DEPARTMENT OF TRANSPORTATION

he Department of Transportation was formed shortly after Hawaii became a state in 1959.

It has three divisions, Airports, Harbors, and Highways, which are supported by 10 departmental staff offices.

The offices are Statewide Transportation Planning; Hazardous Materials; Public Affairs; Visitor Information; PPB Management and Analytical; Personnel; Business Management; Computer Systems and Services; Contracts; and Property Management.

Funding

The DOT is required by law to generate its own monies to fund its programs and projects. Independent special funds were established for each of the three division's major programs.

Each fund is expected to generate enough revenue to pay for program operation and maintenance costs and to contribute a fee to the State General Fund for central services.

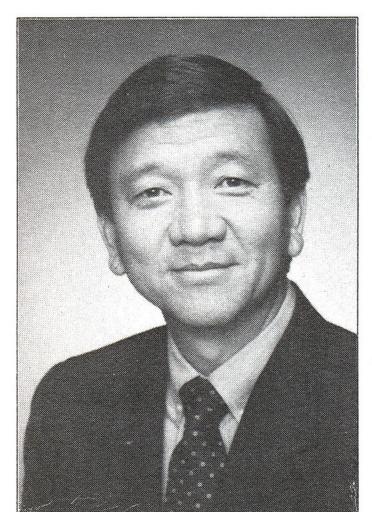
That fee is set at 5 percent of each special fund's gross revenues after debt service.

These special funds must also provide a higher level of cash financing in the Capital Improvement Program to ease the burden on debt service.

Since the Capital Improvement Program is large, the DOT continues to rely on reimbursable General Obligation Bonds and federal aid to help fund programs and projects.

Highway Fund

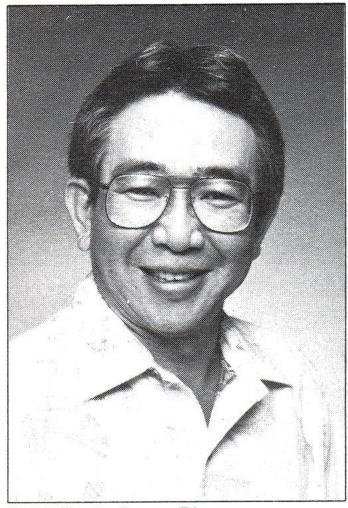
The State Highway Fund was established under Section 248-8 HRS, as amended. The principal sources of revenue are a 16 cent per gallon fuel tax



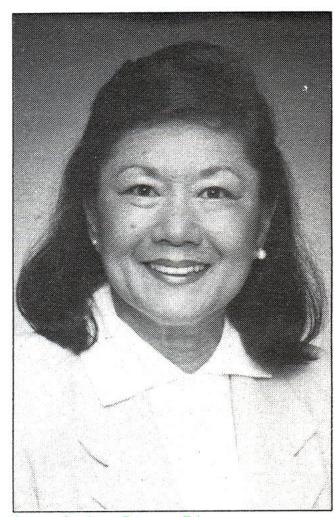
Al Pang, Deputy Director



Jeanne Schultz, Deputy Director



Calvin Tsuda, Deputy Director



Joyce Omine, Deputy Director

and a vehicle weight tax of 3/4 cent per pound for vehicles weighing less than 4,000 pounds, 1 cent per pound for vehicles between 4,000 and 7,000 pounds, 1 and 1/4 cent per pound for vehicles from 7,000 to 10,000 pounds and a flat \$150 for vehicles over 10,000 pounds.

Airport Revenue Fund

The Airport Revenue Fund was created under Section 261-5, HRS. Its primary revenue sources are the aviation fuel tax, landing fees, airport use charges, concession fees, and investment income. Other revenue sources include rentals and miscellaneous earnings.

Harbor Special Fund

The Harbor Special Fund was established under Section 266-19, HRS. The majority of the fund's revenues come from fees and charges for wharfage, dockage, demurrage, and the rental of land and wharf space at the state's commercial harbors. The remaining amount is generated from various service charges, permits, and licenses.

AIRPORTS DIVISION

Statements of Revenues, Expenses and Changes in Retained Earnings

Years ended June 30	1993	1992
Operating Revenues		
Concession Fees	334,557,739	294,900,176
Aeronautical rentals	16,954,719	13,825,594
Airport use charge and landing fees	19,856,416	7,743,749
Aviation fuel tax	6,438,009	7,311,745
Nonaeronautical rentals	5,446,694	4,735,288
Miscellaneous	5,446,201	6,014,500
Total Operating Revenues	388,699,778	334,531,052
Operating expenses other than depreciation	126,278,943	110,828,476
Operating income before depreciation	262,420,835	223,702,576
Depreciation	46,843,857	35,938,518
Operating Income	215,576,978	187,764,058
Nonoperating revenues (expenses):		
Interest income:		
Certificates of deposit, repurchase agreements and		
U.S. Government securities	22,996,437	37,538,587
Note receivable	7,986,336	7,505,802
Investment in direct financing leases	3,015,518	3,063,811
Interest expense:		
Revenue Bonds:		
Airports system	(72,864,500)	(71,114,981)
Special facility	(3,015,518)	(3,063,811)
General obligation bonds	(631,249)	(798,745)
Loss on disposal of property, plant and equipment	(11,084,500)	(5,928,925)
Other	(3,258,827)	(76,899)
	(56,856,303)	(32,875,161)
Income before extraordinary item	158,720,675	154,888,897
Extraordinary item - loss on refunding of Airports system		
revenue bonds	(7,327,230)	
Net income	151 202 445	15/ 000 007
	151,393,445	154,888,897
Depreciation expense transferred to	7,000,266	(01(407
contributed capital - Federal Government grants	7,899,366	6,916,487
Retained earnings at beginning of year	772,987,136	611,181,752
Retained earnings at end of year	932,279,947	772,987,136

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Project	Started	Complete	d Cost	Description
Honolulu International Airport Acquisition of US Gov't land in exchange for housing	9/92	3/94	\$26.9M	Plan, design & construct 100 family housing units
Honolulu International Airport Aerospace Museum Interior Improvements	1/91	1/93	\$1.3M	Walls, Flooring, ceiling & electric Imp
Honolulu International Airport Air Conditioning System Modification, Phase I	8/91	2/93	\$16.1M	Centralize air conditioning chilled water system
Honolulu International Airport Division Administration Office	1/93	8/93	\$5.0M	New division admin. office at Interisland Terminal
Honolulu International Airport Elect. Distribution System Modernization, Phase		9/93	\$15.3M	Power & commun. ducts from airport substation
Honolulu International Airport Elect. Distribution System Modernization, Phase		8/93	\$1.9M	Power & communications ducts for overseas terminal
Honolulu International Airport Elect. Distribution System Wodening and Honolulu International Airport Energy Monitoring & Control System, Phase II	12/88	8/92	\$4.6M	Energy monitor. & control system-overseas terminal
Honolulu International Airport Energy Monitoring & Control System, 1 and 21 Honolulu International Airport Flight Information Display System-Phase IIB	12/90	3/94	\$8.2M	Additional flight information display terminals
Honolulu International Airport Flight Information Display Gystem Flage Instance Honolulu International Airport South Ramp General Aviation Improvements	6/91	10/92	\$7.8M	Construct T-Hangars and G.A. building
	11/92	5/93	\$463,720	Plan, design & construct new perimeter fence
Honolulu International Airport Hickam Air Base Perimeter Fence Honolulu International Airport Hickam Air Base Ammunition Bunker	9/92	9/93	\$1.7M	Construct replacement ammunition bunker
	5/91	1/93	\$593,848	Modify existing w/more efficient system
Honolulu International Airport Ice Machine Modification			•	
Honolulu International Airport Interisland Terminal Central Building & 2nd Level Roadways	12/90	7/93	\$139.1M	Construct new terminal
Honolulu International Airport Install Electric Water Coolers in Public Areas	10/92	9/93	\$222,479	Additional water fountains for public use
Honolulu International Airport International Terminal Building,		40.000	00 61 6	Underground power & communication ducts
Primary Power & Communications	4/93	10/93	\$3.5M	
Honolulu International Airport Interisland Airfield Aprons Phase IV	11/92	12/93	\$4.8M	New hardstands, paving & fuel lines at IIT
Honolulu International Airport International Terminal Building	1/93	7/93	\$1.1M	Removal of buildings in footprint of ITB (36 acres)
Demolition-Phase I	3/91	9/93	\$22.5M	Construct aprons, access roads, parking & utilities
Honolulu International Airport Lagoon Drive Extension Phase III, Unit 1 & 2	3/91	7/73	ΨΕΕ.	
Honolulu International Airport Loading Bridges for Ewa Concourse Expansion (8)	11/91	8/93	\$2.7M	Loading bridges for gates 31-34
Honolulu International Airport Loading Bridges for Interisland Terminal (5)	11/91	3/94	\$1.7M	Loading Bridges for Interisland Terminal
Honolulu International Airport Loading Bridges for Interisland Terminal (8)	11/91	7/93	\$2.8M	Loading bridges for Interisland Terminal
Honolulu International Airport Makai Pier Phase I and Mauka Pier	2/92	5/93	\$10.0M	Second level holdrooms w/gates & operation areas
Honolulu International Airport Modification to Int'l Arrivals Building, Phase IX	/E 3/92	11/92	\$2.5M	3rd floor, INS & Custom Area Improvements
Honolulu International Airport Modification to Int'l Arrivals Building, Phase IX		9/93	\$930,000	Asbestos Removal, INS & group tour renovations
Honolulu International Airport New 747 Gates 31-34, Phase I	11/91	1/94	\$46.4M	Expansion of Ewa Concourse
Honolulu International Airport New Airline VIP Lounges, Phase I	2/92	1/93	\$896,260	Continental Airline VIP Lounge
Honolulu International Airport New Employee Parking Lot At Aolele Street	8/92	1/93	\$697,984	611 stall employee parking lot at Lagoon & Aolele
Honolulu International Airport Overseas Terminal Hardstands, Phase I	8/91	10/92	\$11.5M	Provide new hardstands on Ewa Wing
Honolulu International Airport Overseas Terminal Hardstands, Phase II	7/91	12/93	\$21.1M	Provide five new hardstands on DH Wing
Honolulu International Airport Overseas Terminar Hardstands, Financial Honolulu International Airport Public Address System-Phase I	9/88	6/93	\$3.3M	P.A. system for overseas terminal
Honolulu International Airport Public Address System 1 hase 1 Honolulu International Airport Relocation of ARFF Station #1	7/91	12/93	\$4.5M	Construct new fire station
Honolulu International Airport Replacement of Fueling System	9/88	4/93	\$392,550	Install underground fuel tank & dispenser
	10/88	6/93	\$13.3M	Airport security system for overseas terminal
Honolulu International Airport Security System-Phase I	2/93	9/93	\$1.7M	Provide security for Interisland Terminal
Honolulu International Airport Security System, Phase IIA	6/93	6/94	\$1.9M	Relocate so taxiways "G" & "L" can be realigned
Honolulu International Airport Sewage Lift Station Relocation	4/89	11/92	\$9.3M	Air cargo facilities site prep & hardstand construction
Honolulu International Airport Storm Water System Modification	9/92	11/92	\$85,400	Modify 33 existing oil/water separators
Honolulu International Airport Storm Water System Modification	1/91	5/93	\$1.4M	New telephone system at HIA
Honolulu International Airport Telecommunications System		11/94	\$10.5M	Construct building & infrastructure
Honolulu International Airport Training Center Building, Phase I, South Ramp	12/91	9/92	\$1.0M	Security system at Kahului Airport
Statewide Additions to Security Systems	10/90	10/92	\$1.1M	Install taxiway signs & distance to go markers
Statewide Runway & Taxiway Signs	11/91	2/93	\$4.1M	New replacement loading bridges as needed
Statewide Replacement Loading Bridges (10)	11/91	9/93	\$2.5M	Training pit for airport firefighters
Hilo International Airport ARFF Training Facility		7/92	\$112,100	Display for memorabilia and plaques, Phase I
Hilo International Airport Miscellaneous Improvements	8/91 3/03	11/93	\$1.1M	Construct 8 bay T-hangar for light aircraft
Hilo International Airport T-Hangars	3/93		100 CONTRACTOR OF THE PARTY OF	
Hilo International Airport Telephone System	2/93	8/93	\$582,532	
Hilo International Airport Various Improvements, Phase I	11/92	2/93	\$382,332 \$1.6M	
Hilo International Airport Loading Bridges (4)	11/91	2/93	Ψ1.0141	A CONTROLLED

Project	Start	Comple	ted Cost	Description
Kahului Airport Keolani Place Improvements, Phase II	3/91	5/93	\$2.1M	Widen Keolani Place to four lanes
Kahului Airport Loading Bridges (9)	11/91	2/93	\$3.5M	New loading bridges
Kahului Airport Loading Bridges, Phase I	2/89	7/92	\$4.9M	Installation of 11 aircraft loading bridges
Kahului Airport Relocate ARFF Facility	10/92	12/94	\$3.6M	Relocate aircraft rescue & fire fighting station
Kahului Airport Terminal Building, Phase I Unit 2	3/91	2/93	\$72.8M	Construct four additional holdroom (12 gates)
Kalaupapa Airport Various Repairs & Improvements	7/91	9/92	\$8.1M	Improvements to runway & infrastructure
Keahole Airport Baggage Claim Unit 2	2/93	8/93	\$553,000	Mechanize Hawaiian Airline's baggage claim area
Keahole Airport Cargo Building	12/91	8/92	\$1.3M	Provide temporary commuter terminal
Keahole Airport Ground Transportation Buildings	9/91	9/92	\$1.5M	Expand U-Drive building & modify parking lot
Keahole Airport Loading Bridges (8)	11/91	9/94	\$3.2M	New loading bridges
Keahole Airport Mass Grading, Phase I	8/92	6/93	\$6.8M	Mass grading for airport improvement projects
Keahole Airport Runway/Taxiway Overlay	2/93	6/94	\$23.4M	Strengthen existing runway & associated taxiways
Keahole Airport Runway/Taxiway Extension/ARFF Road	12/92	12/93	\$15.8M	Extend Runway 17-35 & associated taxiways
Keahole Airport Security Fencing/Access Road	9/92	3/93	\$1.1M	Construct vehicular access road/security fence
Keahole Airport Terminal Baggage Claim 329/Cargo Building 331	9/91	7/92	\$1.3M	Install belt baggage claim system at Claim Area A
Keahole Airport Terminal System Control DOT/DEA Facs	8/92	6/93		Construct commun./admin spaces for DOT/DEA
Lanai Airport Access Road, Parking & Utilities	1/93	1/94	\$5.2M	Upgrade airport access road & utilities
Lanai Airport Additional Taxiway & Hardstand Areas	7/90	2/93	\$5.1M	Increase apron & vehicle parking
Lanai Airport Cargo Building	4/92	2/93	\$635,438	Construct single-story, 4,000 sq. ft. steel building
Lanai Airport Passenger Terminal Building	1/93	1/94	\$6.5M	Construct 15,000 sq. ft. terminal building w/parking
Lihue Airport Apron and Lease Lot Development	7/91	8/92	\$5.5M	Extension of cargo apron
Lihue Airport Loading Bridges (8)	11/91	9/92	\$3.3M	New loading bridges
Lihue Airport Miscellaneous Improvements	1/90	7/92	\$2.1M	Improve safety, security & operational efficiency
Lihue Airport Terminal Building Modification	8/92	5/93	\$550,904	Renovation for airport office & Gov. Lounge
Molokai Airport Terminal Modification Improvements	11/92	11/93	\$2.1M	Expand passenger terminal & support facilities
Honolulu Harbor, Pier 51	2/91	9/93	\$5.6M	Additional container yard
Honolulu Harbor, Pier 29	5/92	10/92	\$37,000	New women's restroom
Honolulu Harbor, Pier 39-40	11/92	12/93	\$7.5M	New pier & strengthening
Honolulu Harbor, Pier 53	1/93	2/94	\$4.8M	330-foot pier extension
Honolulu Harbor, CY-6 & CY-9	10/92	12/93	\$2.8M	Pave container yard
Honolulu Harbor, Pier 10-11	2/93	4/93	\$100,000	Repair fender system
Honolulu Harbor, Sand Island Container Yard	8/92	3/93	\$500,000	Reconstruct pavement
Honolulu Harbor, Piers 1 & 2	4/93	7/93	\$85,000	Maintenance dredging
Honolulu Harbor, Pier 34	2/93	7/93	\$75,000	Maintenance dredging
Honolulu Harbor, Sand Island Container Yard	12/92	2/93	\$70,000	Reroof office building
Honolulu Harbor, Pier 40	1/93	2/93	\$47,000	Repair roof
Honolulu Harbor, Fort Armstrong	10/92	11/92	\$60,000	Repair pavement
Honolulu Harbor, Pier 1	6/93	9/93	\$130,000	Repair pier structure
Honolulu Harbor, Pier 8	8/92	9/92	\$50,000	Repair fender system
Honolulu Harbor, Sand Island Container Yard	4/93	10/93	\$450,000	Repair pavement
Honolulu Harbor, Pier 1	6/93	7/93	\$36,000	Repair jetty
Honolulu Harbor, Pier 26	5/93	6/93	\$51,000	Repair bulkhead
Honolulu Harbor, Pier 17	1/93	7/93	\$55,000	Repair electrical system
Honolulu Harbor, Pier 51 Container Yard	2/92	9/92	\$770,000	Reconstruct pavement
Honolulu Harbor, Pier 19	5/92	2/93	\$305,000	Repair substructure
Honolulu Harbor Fort Armstrong	6/92	9/93	\$155,000	Replace floodlight system
Honolulu Harbor Pier 24	11/92	12/92	\$68,000	Replace air conditioning equipment
Honolulu Harbor, Piers 27-29	6/92	8/92	\$115,000	Repair subsidence
Honolulu Harbor Pier 1	12/92	1/93	\$58,000	Repave apron
Barbers Point Harbor, S-1 & S-2	7/92	10/93		Pave container yard
Barbers Point Harbor, Lighting	12/92	11/93	\$168,000	Lighting improvements
Barbers Point Harbor, Pier	12/92	12/93	\$1.5M	Pier for service vessels
Barbers Point Harbor, Basin Lights	2/93	9/93	\$176,000	Light edges of basin
Barbers Point Harbor	2/93	8/93	\$30,000	Modify office building
Kewalo Basin	10/92	7/93	\$130,000	Repair fender system