

Department of Transportation  

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Report to the Governor 2001





# Director's Message

I am pleased to submit the Department of Transportation's annual report for the fiscal year ending June 30, 2001. Exciting things have been happening at the HDOT in Fiscal Year 2001.

Our former Director, Kazu Hayashida retired; we have a new Highways Administrator, Glenn Yasui; and gained a new Deputy Director, Jadine Urasaki. We are in the process of making the transition and also going through reorganization. We have been working very diligently to find interim solutions to traffic congestion problems and to complete our H-1 Corridor Construction project. The HDOT website is continually updated to reflect our many activities.

The HDOT has been vigorously pursuing its ADA obligations and has made significant strides towards becoming compliant. Each of the Divisions has several projects underway that, once completed, will make our facilities significantly more accessible. We are in the process of having a mid-term review done of our compliance efforts so that we will have a better idea of where we are and what we need to do in order to meet our 2005 deadline.

To meet ADA compliance, HDOT has developed detailed curb ramp and sidewalk design guidelines for streets and roadways, which have been recognized as a model by the FHWA for other states and cities to follow; instituted a Departmental policy for providing programmatic access to programs and

services; purchased several new shuttle vans for Honolulu International Airport that are fully accessible; and participated as a member of the Public Rights-of-Way Access Advisory Committee that developed recommendations for national guidelines pertaining to ADA compliance in the public right-of-way.

The HDOT has an ongoing effort for sustained compliance with all environmental laws. With the assistance of consultants, we are developing comprehensive environmental management programs to deal with issues such as storm water, hazardous waste and solid waste.

These innovative projects and programs have allowed us to promote the rapid, safe and economical movement of people and goods into, within and out of the state.

The Airports Division K-9 Explosive Detection Unit at Honolulu International Airport completed an intensive recertification evaluation by the Federal Aviation Administration. All six K-9 teams passed with the best results of all FAA K-9 evaluations accomplished in the U.S. during the inspection cycle.



Airports Division hosted the 2000 Hawaii International Air Cargo Symposium at the Sheraton Waikiki Hotel on October 17-18, 2000. The symposium offered industry presentations by producers, suppliers and freight forwarders. Airline executives, government officials and others involved in air cargo operations added insights into the conditions affecting the industry's future.

Our Harbors Division has started updating the Kauai Commercial Harbors 2025 Master Plan. The master plan will be a guide to develop, maintain and enhance the commercial harbor system on Kauai to ensure its efficient, safe, accessible and economical operations.

It was a busy year for our Highways Division with the continuation of the H-1 Corridor Construction Project.



The Bingham Street off-ramp was closed for five weeks to evaluate the impact the closure would have on surrounding streets.

The Highways Division was awarded the 2000 Outstanding Civil Engineering Achievement Award by the Hawaii Section of the American Society of Engineers for the division's Kamehameha Highway emergency rockfall remediation project at Waimea Bay. The Menehune Road received the International Road Federation's 2001 Global Road Achievement Award as the best environmental project in the world.

Hana Highway was dedicated as a Millennium Legacy Trail on August 18, 2001. It is one of 52 Millennium Legacy

Trails established in a White House initiative to protect historic roads and trails around the country. This national program has selected one trail in each state as a historic pathway linking communities and a diversity of cultures and as a way of raising awareness of historic links around the U.S.

The Safe Communities Office continued its "Drive Safely, Arrive Alive" campaign and topics included zero tolerance, pedestrian and bicycle safety, red light running and driving under the influence. It has also been active in various community events to promote traffic safety.



The 5<sup>th</sup> Annual "Seize the Day" Elementary School Traffic Safety Training Conference was held on February 17, 2001 at the Radisson Waikiki Prince Kuhio Hotel. The Safe Community Youth Activities program sponsored the event, which is a combined effort of the HDOT and the Department of Education. Student participants played an important role as advocates of traffic safety issues and serve as an important communication link between government officials and their respective schools.

Hawaii's back seat belt law took effect on July 3, 2000 and was named the "Tanya Act" after a 17-year-old who was not buckled up in the back seat and was subsequently killed in a crash in 1997. The new law requires passengers, age 17 and younger, to use seat belts when riding in the front or back seat of a

motor vehicle. Violators of the new back seat belt law will face a fine of \$67.

The new mandatory driver education law took effect on January 1, 2001 and requires persons under age 18 to complete a driver's education program and a behind-the-wheel driver's training course certified by the HDOT before receiving a driver's license. Act 175 also increases the age to be eligible for an instruction permit to 15 years and six months, and a driver's license to 16 years.

The Rideshare Office held a *Commuter Challenge* as part of its 14<sup>th</sup> annual campaign to "Beat the School Jam." The commuter challenge involved participation by a state legislator, businessman and Hawaii media personalities who commuted simultaneously via various modes of transportation to Aloha

Tower from three locations: the Hawaii Kai "Park-and-Ride," Mililani Mauka "Park-and-Ride" and Waipahu Transit Center on Farrington Highway. "Hare" and "Tortoise" awards were presented to the first and last place finishers.

Congratulations to our 2000 HDOT Manager of the Year, Marilyn Kali; Employee of the Year, JoAnne Nakamura; and Team of the Year, Kauai District Airports Grounds Maintenance (Peter Camalliri, Pedro Duterte Jr., Hilarion Luis Jr., Mark Marchant, John Robley Jr., Thomas Sherman, Dario Sibolboro, Steven Suarez, Charles Sumera).



Brian K. Minaai  
Director of Transportation

# Airports Division

The statewide airport system consists of eleven airports serving commercial airlines and general aviation flights and four airports serving general aviation flights only. In Fiscal Year 2001, these airports handled 35,948,452 passengers, a 2.7 percent decrease compared to the previous year.

In Calendar Year 2000, preliminary data ranks Honolulu International Airport as the 23<sup>rd</sup> busiest airport in the United States and 39<sup>th</sup> in the world.

## Honolulu International Airport (HNL)

Fiscal Year	Passengers	Change
2001	22,197,793	-3.6%
2000	23,029,937	3.4%
1999	22,275,743	-5.0%
1998	23,458,853	-2.1%
1997	23,954,711	-2.1%

Work continues on the Manuwai Canal Culvert Extension. When completed, this \$7.8 million project will provide additional ramp space on the interisland portion of the airport.

Construction to improve the Central Concourse started in November 2000. Work includes improvements to the restrooms and stairwells in the central garden area and installation of automatic sliding doors at the entrance to the Central Concourse.

Traffic at Kona International Airport at Keahole continues to increase due to direct, international and domestic flights. Passenger traffic was up 0.2% to 2,780,813, making it the fourth busiest airport in the State.

## Kona International Airport at Keahole (KOA)

Fiscal Year	Passengers	Change
2001	2,780,813	0.2%
2000	2,775,722	5.0%
1999	2,643,999	0.4%
1998	2,632,515	7.7%
1997	2,405,265	1.7%

Work continues on the new Wastewater Treatment Plant at the airport. This facility will replace the existing undersized wastewater treatment plant and will accommodate existing and projected sewage flow at the airport. Meeting all Federal, State, and County requirements, this facility will be completed in February 2002.

Kahului Airport is the second busiest airport in the State, with 6,161,475 passengers in Fiscal Year 2001.

The Repair of Runway 2-20 and Taxiways was completed in November 2000. This project provided needed repairs of the deteriorated runway and taxiway pavement.

### Kahului Airport (OGG)

Fiscal Year	Passengers	Change
2001	6,161,475	-1.0%
2000	6,100,969	4.2%
1999	5,854,693	-1.1%
1998	5,919,532	1.9%
1997	5,806,325	-4.4%

### Lihue Airport (LIH)

Fiscal Year	Passengers	Change
2001	2,823,056	-1.4%
2000	2,864,194	6.4%
1999	2,692,206	4.2%
1998	2,583,365	1.3%
1997	2,569,741	8.1%

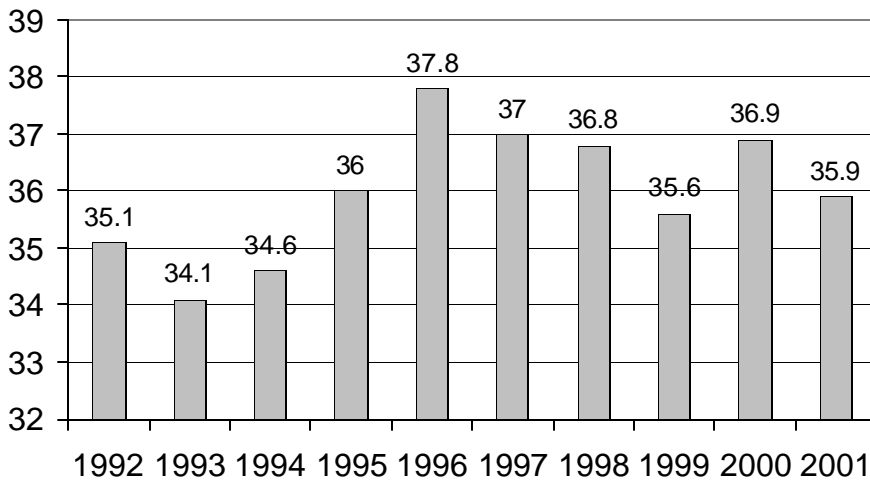
Construction started in November 2000 on the East Ramp Sewer System. By replacing existing cesspools and septic tanks on the East Ramp with a sewer system, this project will help Airports Division comply with the latest health and environmental regulations.

Lihue Airport is the third busiest airport in the State, with 2,823,056 passengers in Fiscal Year 2001, a decrease of 1.4% compared to Fiscal Year 2000.

Work continues on the Apron Site Preparation and Road Realignment at Lihue Airport. This project will realign Ahukini Road to provide additional lease lots for airport tenants. Work under this project, which includes grading, utilities, and roadway paving, will be completed in June 2001.

Hilo International Airport traffic decreased to 1,568,165 passengers in Fiscal Year 2001.

### Hawaii Airports Passenger Traffic



Work started on the baggage claim relocation at Hilo International Airport in September 2000. When completed, this project will install two new baggage claim carousels at the western end of the terminal, reducing congestion by spreading baggage claim along the entire terminal frontage.

**Hilo International Airport (ITO)**

Fiscal Year	Passengers	Change
2001	1,568,165	-2.6%
2000	1,610,368	4.3%
1999	1,543,280	-5.7%
1998	1,635,964	0.2%
1997	1,633,153	1.0%

**Kapalua Airport (JHM)**

Fiscal Year	Passengers	Change
2001	119,038	-5.3%
2000	125,733	-10.8%
1999	140,921	-10.0%
1998	156,642	-14.7%
1997	183,678	22.1%

**Molokai Airport (MKK)**

Fiscal Year	Passengers	Change
2001	237,482	-10.2%
2000	264,350	-0.6%
1999	265,941	10.3%
1998	241,721	-7.1%
1997	260,217	8.2%

**Lanai Airport (LNY)**

Fiscal Year	Passengers	Change
2001	149,974	-10.0%
2000	166,568	-7.2%
1999	179,448	-1.5%
1998	182,226	10.7%
1997	164,594	-5.8%

Airport	Cargo (tons)			Mail (tons)			Operations		
	FY2001	FY2000	% Change	FY2001	FY2000	% Change	FY2001	FY2000	% Change
<b>HNL</b>	343,697	420,997	(18)	106,319	111,710	(5)	344,226	345,980	(1)
<b>OGG</b>	40,138	34,293	17	10,109	10,820	(7)	168,000	179,942	(1)
<b>ITO</b>	23,301	20,401	14	3,728	3,713	0	109,373	117,514	(7)
<b>KOA</b>	22,505	22,854	(2)	6,545	6,136	7	101,617	89,072	14
<b>LIH</b>	14,370	15,714	(9)	3,516	3,531	0	108,832	115,410	(6)
<b>LNY</b>	745	682	9	111	109	2	10,090	11,588	(13)
<b>MKK</b>	1,371	1,393	(2)	178	187	(5)	41,248	21,224	94
<b>MUE</b>	17	22	(23)	920	789	17	2,670	2,406	11
<b>HNM</b>	56	53	6	0	0	0	5,430	4,646	17
<b>LUP</b>	199	203	(2)	9	5	80	3,506	3,708	(5)
<b>JHM</b>	560	549	18				8,362	8,952	(7)
<b>Totals</b>	447,049	517,161	(14)	131,435	137,000	(4)	903,354	900,442	32



# Harbors Division

The statewide system of commercial harbors consists of ten harbors on six islands. The system plays a vital role in the State's economy as Hawaii imports about 80% of what it consumes and about 97% of that enters the state through the commercial harbor system.

In Fiscal Year 2001, the commercial harbor facilities handled a total of 17.2 million tons of cargo. In addition, 662,075 cruise ship passengers called at the State's harbors.

The Division is currently updating the Kauai Commercial Harbors 2025 Master Plan. The updated Master Plan will be a guide to develop, maintain and enhance Kauai's commercial harbor system to ensure its efficient, safe, accessible and economical operations.

## Honolulu

Honolulu Harbor is the hub of the state harbor system as the majority of cargo, whether bound for Honolulu or the neighbor islands, passes through Honolulu Harbor.

With the growth of the cruise ship industry, the harbor accommodated 215,036 passengers during Fiscal Year 2001. Honolulu Harbor also handled 8,351 tons of cargo.

Major projects currently in construction include the Domestic Commercial Fishing Village Pier and Subdivision Improvements project at a construction cost of \$10.5 million, the Domestic

Commercial Fishing Village Multi User Building at Pier 36-38 at a cost of \$5.6 million, and the Container Yard Annex at Sand Island at \$638,000.

To insure the operational capabilities of the harbor are maintained, \$3.7 million was obligated for special maintenance projects. Major special maintenance projects undertaken during Fiscal Year 2001 included repairs to pier structures; repairs to container yard flexible and rigid pavements; installation of bullrails; repairs to utilities for water, sewer and electrical service; repairs to buildings for renovations, roofing, repainting and restroom facilities; maintenance dredging; and site building modifications for ADA compliance.

A project soon to begin construction is the Pier 19 improvements at an estimated cost of \$4.3 million.

## Kalaeloa Barbers Point Harbor

This is the second busiest harbor in the State system. In Fiscal Year 2001, Barbers Point handled 3,228,995 tons of cargo. Major projects in construction are the Pier P-5 extension, at a cost of \$5 million, the Pier P-7 construction at a cost of \$17 million, and the Internal Access Roadway improvements at an estimated cost of \$400,000. A major project in planning is the joint Federal/State Kalaeloa Barbers Point Harbor Modification Studies.

To insure the operational capabilities of the harbor are maintained, \$160,000 was obligated for a special maintenance

project. Major special maintenance projects undertaken during Fiscal Year 2001 included repairs to container yard flexible and rigid pavements and fendering system.

### **Kahului Harbor**

This is the third busiest harbor in the state system and the busiest of all Neighbor Island harbors.

In Fiscal Year 2001, Kahului Harbor accommodated 94,649 passengers and handled 2,580,322 tons of cargo.

Major projects in construction include demolition of the existing Pier 2 shed and subsequent pavement strengthening and storage yard improvements at a cost of \$4.2 million; the extension of Pier 1C by approximately 300 feet to accommodate multiple cruise ship berthing at a cost of \$8.6 million. The Pier 1 Passenger Cruise Terminal was completed at a cost of \$3 million. A total of \$864,000 was obligated for major special maintenance projects for Fiscal Year 2001. Major special maintenance projects undertaken during Fiscal Year 2001 included repairs to pier structures; to container yard flexible and rigid pavements; to utilities for water, sewer, and electrical service; to buildings for roofing, repainting and restroom facilities; and site and building modifications for ADA compliance.

### **Kaunakakai Harbor**

A total of \$133,000 was obligated in Fiscal Year 2001 for a special maintenance project to repair pier piles; repair flexible pavement; maintain the electrical system; and install bullrails.

During Fiscal Year 2001, Kaunakakai Harbor handled 93,721 tons of cargo for the island of Molokai.

### **Hilo Harbor**

Hilo is the Big Island's busiest port in terms of cargo volume and is second only to Honolulu as a port of call for cruise vessels. In Fiscal Year 2001, Hilo Harbor accommodated 185,659 passengers and handled 1,425,230 tons of cargo.

Major projects in construction include the paving of additional storage area formerly occupied by Molasses tanks at an estimated cost of \$1 million, and the demolition of existing sugar storage facilities at an estimated cost of \$1.6 million. A major project in design is the Pier 1 Shed modifications at an estimated cost of \$3.5 million. A project soon to begin design is the Pier 3 extension at an estimated cost of \$3 million. This project will allow a second cruise ship to berth at Hilo Harbor.

To insure the operational capabilities of the harbor are maintained, \$762,000 was obligated for special maintenance projects. Major special maintenance projects undertaken during Fiscal Year 2001 included repairs to pier structures; repairs to electrical systems; building repairs; and site and building modifications for ADA compliance.

### **Kawaihae Harbor**

The major project in construction is the paving of additional barge terminal area. At a cost of \$3.5 million these improvements will provide Young Brothers with additional paved container yard area for their Kawaihae operations. A

total of \$272,000 was obligated for special maintenance projects in Kawaihae. Major projects undertaken were building repairs, electrical lighting and pavement repairs.

In Fiscal Year 2001, Kawaihae Harbor accommodated 4,803 passengers and handled 648,661 tons of cargo.

**Nawiliwili Harbor**

In Fiscal Year 2001, Nawiliwili Harbor accommodated 161,912 passengers and handled 685,078 tons of cargo as the gateway to the Garden Isle.

A major project soon to begin design is the extension of Pier 2.

A total of \$503,000 was obligated in Fiscal Year 2001 for special maintenance projects for repairs to buildings; pier structures; and site and building modifications for ADA compliance.

**Port Allen Harbor**

In Fiscal Year 2001 Port Allen Harbor, on the southern end of Kauai handled 191,527 tons of cargo.

A total of \$240,000 was obligated in Fiscal Year 2001 for special maintenance projects for repairs to the fire protection system and the disposal of derelict vessels.

**Kewalo Basin**

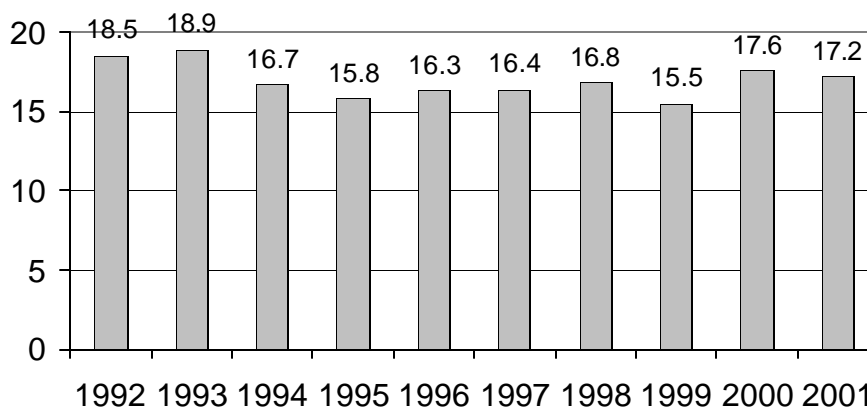
A major project in construction is the Replacement of Catwalks T-F1 at a cost of \$2.4 million. This project replaces six aging catwalks along Ala Moana Boulevard with new concrete catwalks.

A total of \$282,000 was obligated in Fiscal Year 2001 for special maintenance projects for repairs to the fendering and waterline systems.

**Kaumalapau Harbor**

The State's newest harbor is Kaumalapau Harbor on the island of Lanai. Acquired from private owners during Fiscal Year 2001, this harbor on the southwest coast of Lanai is the island's sole commercial harbor. The major project underway is the Army Corps of Engineers Modifications and repairs to the existing breakwater. Currently in design, this project will repair the existing Kaumalapau Harbor breakwater to reduce wave action in the harbor and increase harbor safety and usability.

**Statewide Cargo Tonnage (in millions)**



# Highways Division

The Department of Transportation manages approximately 2,675 lane miles of highways on six islands. The Department continues to increase the capacity of its highways and to improve safety on state highways.

On Oahu, we are continuing the design of a North-South Road in Ewa between the Kapolei Parkway and Interstate Route H-1 to help ease the existing congestion on Fort Weaver Road and to provide access to future developments in the area. We are also undertaking a number of improvements on Fort Weaver Road to help improve traffic flow.

Planning studies for widening the Interstate Route H-1 between Waiawa Interchange and Halawa Interchange continues. The first increment consists of widening the Waimalu Viaduct in the westbound direction. Design of the first increment will begin soon.

In Urban Honolulu, we are studying a number of different projects to help improve traffic flow. We are continuing studies to improve the Interstate Route H-1 at the Lunalilo Street On-ramp and Vineyard Boulevard Off-ramp. We are also studying the feasibility of other projects to improve traffic flow on the H-1 Freeway between Middle Street and the University area, including the possibility of squeezing in another eastbound lane between the Kalihi Interchange and the Vineyard Off-Ramp.

We will soon be starting the design of a

Freeway Management System to help us better manage incidents on our freeways that currently impede traffic flow.

On Hawaii, several bridge seismic retrofit projects are ongoing or have been completed. Design is proceeding on the four-lane widening of the Queen Kaahumanu Highway from Henry Street to the Kona International Airport. We are nearing completion of four storm-damaged bridges on Route 11 in the vicinity of Pahala. Planning studies are continuing on the Waimea Bypass and have started on the Kawaihae Bypass.

On Maui, the contraflow operation on Haleakala Highway provides relief to motorists from Upcountry to Kahului and Wailuku during the morning peak traffic period. The operation will continue until the permanent widening is constructed. Design of this widening is continuing. Design of the Puunene Avenue and Mokulele Highway widening project and Honoapiilani Highway Widening, Maalaea Road to North Kihei Road continues to progress, with construction on some segments starting next year. These projects are intended to relieve congestion on these busy highways.

Studies are continuing on the Lahaina Bypass and the Kihei-Upcountry Highway. In Kihei, design has begun on providing four lanes on Piilani Highway by using the existing paved shoulders. In Paia, we are studying ways to improve traffic flow on Hana Highway.

On Kauai, the “Kapaa Temporary Bypass” and the “Puhi Temporary Bypass” routes, along with the contraflow operations between Hanamaulu and Wailua continue to temporarily relieve traffic congestion in their respective areas. These measures are interim in nature. The permanent Kapaa Bypass and the Kaumualii Highway widening projects will provide more permanent solutions to Kauai’s congestion problems.

### **Oahu District**

On Interstate Route H-1, construction projects totaling \$18.8 million were completed, which included Kunia Interchange Improvements; Seismic Retrofit for Lunalilo Vineyard Off-Ramp, Makiki Viaduct and Palama Settlement; and the Punahou Street noise abatement.

On Interstate Route H-2, construction projects totaling \$4.2 million were completed, which included installing median guardrail from Mililani Interchange to Wahiawa; and installing highway lighting from Leilehua Interchange to Waiawa Interchange.

On Interstate Route H3, the \$3.5 million resurfacing project from Halekou Interchange to Kaneohe Marine Base was completed.

On Kamehameha Highway, construction projects totaling \$1.2 million were completed, which included intersection improvements at Pupukea Road; drainage improvements at Polinalina Road; and installation of traffic signals at Anemoku Street.

On Farrington Highway, construction projects totaling \$1.5 million were completed, which included improvements in

the vicinity of Tracks Beach Park; and intersection improvements at Leoku Street.

On Kalaniana'ole Highway, construction projects totaling \$1 million were completed, which included installation of traffic signals at Analii Street; and shoulder improvements from Makapuu Lookout to Kealahou Street.

On Pali Highway, the \$600,000 installation of traffic signals and improvements at Jack Lane was completed.

Other construction projects totaling \$5 million were completed, which included Mokapu Saddle Road installation of traffic signals at Kaneohe Bay Drive and at the H-3 Freeway on-ramp; Keehi Baseyard washdown area; Kunia Road widening from Anonui Street to South Kapuna Loop and H-1 widening of Ramp KO; Fort Weaver Road drainage improvements at Renton Road and Kahua Ranch Nursery; Waialae Avenue landscape improvements; Pearl City and Keehi Baseyards new security fence and bumper guards; and Material Testing and Research Branch Building renovations.

Ongoing resurfacing projects totaling \$38 million, include Kamehameha Highway from Kaneohe Bay Drive to Kahiko Street; Interstate Route H-1 from Kunia Interchange to Waikele Stream Bridge; Interstate Route H-1 from Punchbowl off-ramp to Kapiolani Interchange; Nimitz Highway from Rodgers Boulevard to Ahua Street; Kalaniana'ole Highway from Ainakoa Avenue to West Hind Drive; and Fort Weaver Road from North of Laulaunui Street to Hanakahi Street.

Other ongoing construction projects totaling \$52.7 million, include:

- ? Interstate Route H-1 seismic retrofit of the Kapiolani Interchange;
- ? Interstate Route H-1 guardrail and shoulder improvements from Palehua Separation to Waikele Bridge;
- ? Interstate Route H1 Punahou Street off-ramp improvements;
- ? Interstate Route H2 Wahiawa Interchange Bridge 1 & 2;
- ? Interstate Route H3, H-3 Finish Unit VI; Hauula Baseyard Improvement;
- ? Kamehameha Highway landscape improvements in the vicinity of Arizona Memorial;
- ? Kamehameha Highway pedestrian accessible route improvements from Acacia Road to Honomanu Street;
- ? Kamehameha Highway intersection improvements at Leilehua Golf Course Road;
- ? Farrington Highway intersection improvements at Waiomea Street;
- ? Farrington Highway retaining wall above Waipahu High School;
- ? Farrington Highway lighting improvements from Ala Hema Street to Piliokoe Bridge;
- ? Farrington Highway drainage improvements from Auyong Homestead Road to Nanaikeola Street;
- ? Fort Weaver Road landscaping, Farrington Highway to Hanakahi Street;

- ? Fort Weaver Road traffic signal modernization, Laulaunui Street to Hanakahi Street;
- ? Wilikina Drive intersection improvements at Kamananui Road;
- ? Oahu District Warehouse;
- ? Highway Lighting Safety Improvements Various Locations;
- ? Waialae Avenue shoulder improvements for bicycle lanes;
- ? Wilson Tunnel improvements Supervisory Control and Data Acquisition (SCADA) upgrade;
- ? Kunia Road traffic signals at Kunia Regional Signet Operations Center;
- ? Keaahala Road widening from Kahekili Highway to Pookela Street;
- ? Mokapu Saddle Road slope stability vicinity of Mikiola Drive to Kahinani Place.

### **Hawaii District**

Much effort is being expended repairing the November 2000 storm damages to four bridges on Mamalahoa Highway in Kau. The \$6.3 million Emergency Replacement of Keaiwa Stream Bridge was completed in July 2001. The \$9.8 million Emergency Replacements of Ford Crossing (Makakupu Bridge) and Kaalaala Stream Bridge are in progress, and completion is expected in November 2001. The estimated \$14.2 million contract for the Emergency Replacement of Paauau Stream Bridge, Improvements at Kamani Street and Rehabilitation of Various Bridges is

scheduled for advertisement in November 2001.

Several bridges in the Hamakua, North Hilo and South Hilo Districts are being retrofitted to withstand seismic forces. There are eight contracts totaling \$16.8 million that either are in progress or have been completed.

Replacements of the wooden bridges on Route 190 at Auwaiakeakua and Popoo have been completed.

Approximately \$3.5 million of highway resurfacing projects in North Hilo, Hamakua and South Kohala Districts, \$2.3 million of a guardrail and shoulder improvement project in South Kohala, and \$1 million of drainage improvement projects throughout the island were completed in this fiscal year.

A \$500,000 traffic signal system was installed at the Queen Kaahumanu Highway/Hina Lani Drive Intersection, and the \$1.4 million traffic signal modernization project on Kanoielehua Avenue in Hilo was completed. Bids were opened for the traffic signal system at the Keaau-Pahoa Road/Pahoa-Kapoho Road Intersection and for the flashing warning lights in South Kohala, North Kona, South Kona and Kau Districts.

The Hilo Baseyard is undergoing a \$1.3 million renovation project, which will install new roofing, energy-efficient lighting, new air conditioning systems, and ADA-compliant accesses. Also, upgrades to the fuel dispensing systems at the Kau and Honokaa Baseyards were done.

## **Maui District**

Maui is experiencing rapid growth of traffic due to the 28% increase in population in the last decade, commercial center and housing development, and growth in tourism. In Fiscal Year 2001, we completed construction of the installation of traffic signals for the busy intersections of Piilani Highway and Kilohana Drive, Honoapiilani Highway and Napilihau Street and Hana Highway and Hobron Avenue. Also completed was the two-way left-turn on Waiehu Beach Road from Makaala Drive to Iao Stream Bridge.

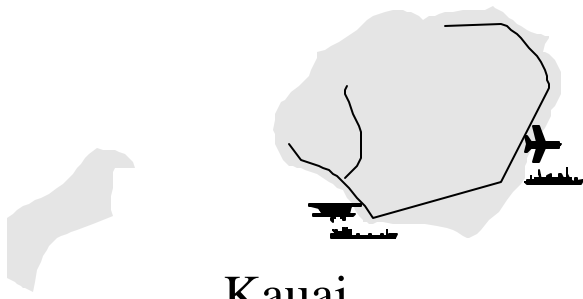
We also started the construction of the widening to four lanes of Honoapiilani highway between North Kihei Road and Kuihelani Highway, the replacement of Uaoa Stream Bridge on Hana Highway, traffic signal modernization between Kaanapali and Lahaina, and the improvements and traffic signal modernization of Main Street and Kaahumanu Avenue from High Street to Hobron Avenue.

Other projects completed by Maui District were drainage improvements on Hana Highway in the vicinity of Keawa Place; emergency repair of Hana Highway at various locations, and phase I of the demolition of homes on Ikena Avenue for the Honoapiilani Highway Bypass.

On Maui, resurfacing was completed on Honoapiilani Highway from Puamana to Kaanapali and on North Kihei Road from Honoapiilani Highway to Piilani Highway.

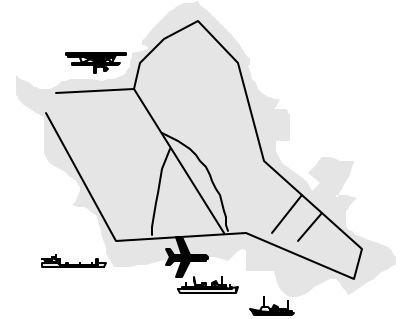
Meanwhile, design of the traffic signal modernization at various locations on

# State Airports,



## Kauai

Port Allen Airport  
Lihue Airport  
Port Allen Harbor  
Nawiliwili Harbor  
Kaumualii Highway  
Waimea Canyon Drive  
Kuhio Highway  
Ahukini Road  
Waialo Road  
Halewili Road  
Nawiliwili Road  
Kapule Highway  
Kuamoo Road  
Maalo Road  
Kokee Road



## Oahu

Dillingham Field  
Honolulu International Airport  
Ford Island  
Kalaeloa Barbers Point Harbor  
Honolulu Harbor  
Kewalo Basin  
Interstate Route H-1  
Interstate Route H-2  
Interstate Route H-3  
Moanalua Freeway  
Ala Moana Boulevard  
Farrington Highway  
Fort Weaver Road  
Fort Barrette Road  
Haleiwa Bypass  
Kahekili Highway  
Kalaniana'ole Highway  
Kamananui Road  
Kamehameha Highway  
Kunia Road  
Likelike Highway  
Mokapu Saddle Road  
Nimitz Highway  
Pali Highway  
Puuloa Road  
Sand Island Access Road  
Old Waialae Road  
Vineyard Boulevard

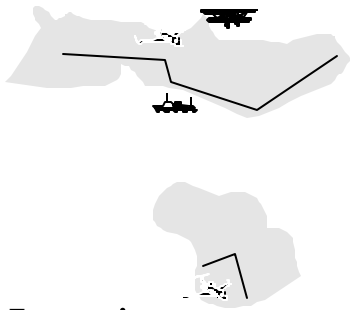




# Harbors, and Highways

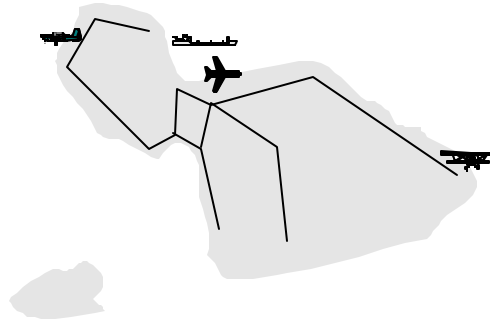
## Molokai

Molokai Airport  
Kalaupapa Airport  
Kaunakakai Harbor  
Maunaloa Highway  
Kamehameha V Highway  
Kalae Highway  
Farrington Avenue  
Puupeelua Avenue



## Maui

Kahului Airport  
Kapalua Airport  
Hana Airport  
Kahului Harbor  
Honoapiilani Highway  
Kuihelani Highway  
Piilani Highway  
Haleakala Highway  
Hana Highway



Kahekili Highway  
Kula Highway  
Haleakala Crater Road  
Mokulele Highway  
Kahului Beach Road  
Waiehu Beach Road  
Puunene Avenue  
High Street  
Main Street  
Hobron Street  
Wharf Street  
Kekaulike Avenue  
Dairy Road

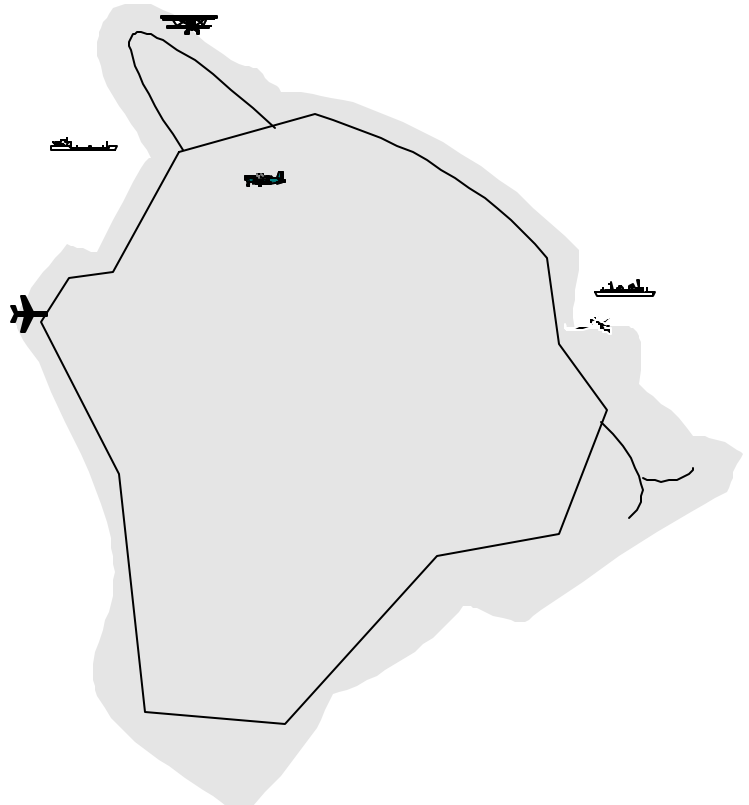
## Lanai

Lanai Airport  
Kaunalapau Highway  
Manele Road



## Big Island

Keahole-Kona International Airport  
Upolu Point  
Waimea-Kohala Airport  
Hilo International Airport  
Kawaihae Harbor  
Hilo Harbor  
Queen Kaahumanu Highway  
Mamalahoa Highway  
Hawaii Belt Road  
Akoni Pule Highway  
Kawaihae Road  
Kohala Mountain Road  
Kuakini Highway  
Volcano Road  
Keaau-Paho Road  
Paho-Kalapana Road  
Kanoelehua Avenue  
Akaka Falls Road  
Ke Ala O Keawe Road  
Honokaa-Waipio Road



Maui was completed. Design of the widening of Kuihelani Highway from Puunene Avenue to Honoapiilani Highway, Puunene Avenue and Mokulele Highway from Kuihelani Highway to Piilani Highway, Haleakala Highway from Hana Highway to Haliimaile Road and Honoapiilani Highway from North Kihei Road to Maalaea Harbor continues. Planning for the Lahaina Bypass, and the Kihei Upcountry Route continues.

On Molokai, resurfacing was completed on Kalae Highway from Maunaloa Highway to Kalaupapa Lookout Parking Lot.

On Lanai, resurfacing was completed on Kaumalapau Highway from Kaumalapau Harbor towards Airport Road.

### **Kauai District**

On Kauai, projects addressing drainage concerns, intersection improvements,

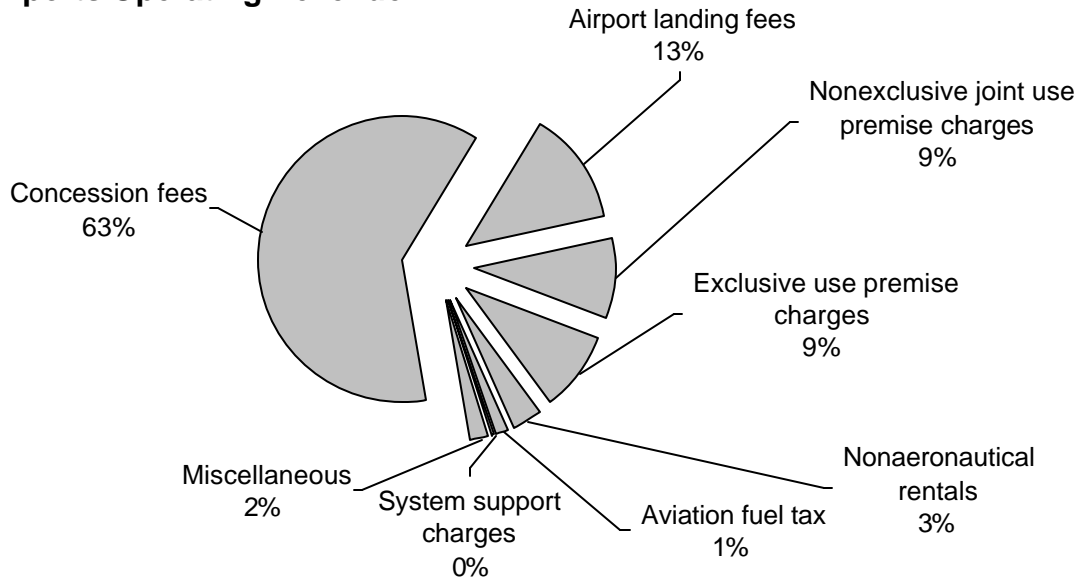
and pavement rehabilitation and resurfacing were completed.

Kaumualii Highway, drainage improvements in the vicinity of Hokua Road, Kalaheo addressed some drainage, maintenance, and liability concerns in the area.

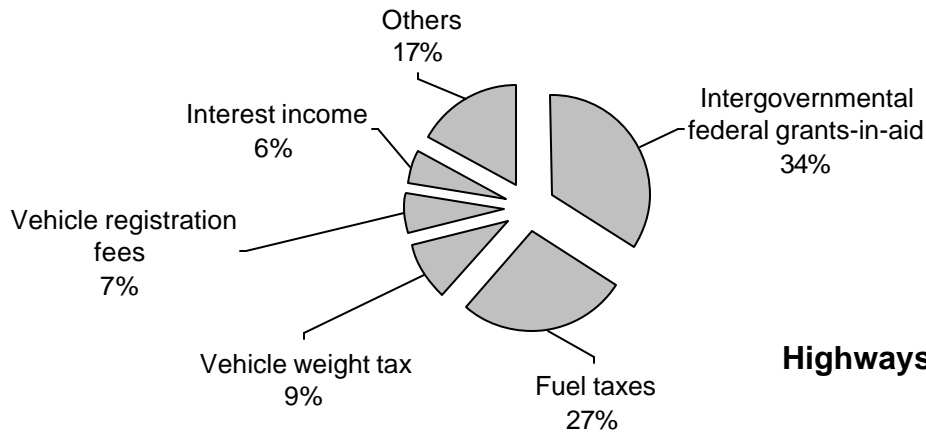
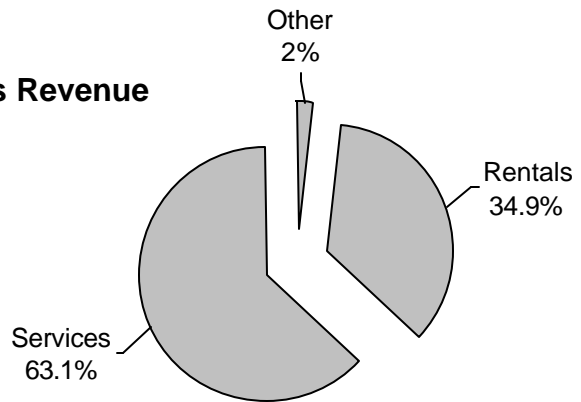
Intersection improvements totaling more than \$14 million promoted more efficient vehicular and pedestrian movements at various intersections on Kauai. These intersections included the Kaumualii Highway/Kuhio Highway/Rice Street intersection, Kapule Highway Traffic Signal Modernization at Haoa Street, and the Kaumualii Highway/Maluhia Road Acceleration Lane.

Kaumualii Highway Resurfacing, Huleia Stream to Maluhia Road and Kuamoo Road Resurfacing, Vicinity of U.H. Agricultural Station provided needed travel way improvements. These resurfacing improvements totaled \$1.6 million in Fiscal Year 2001.

### Airports Operating Revenue



### Harbors Revenue



### Highways Revenue

# Department of Transportation

The 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, Office of Special Compliance, Public Affairs, Visitor Information, PPB Management and Analytical, Personnel, Business Management, Contracts, Computer Systems and Services, and Property Management

The objective of the Department of Transportation is to facilitate the rapid, safe and economical movement of people and goods into, within, and out of the state by providing and operating transportation facilities and supporting services.

## **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. This fee is set at five percent of each special fund's gross revenues after 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.

## **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.

## **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 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 7,000 to 10,00 pounds and a flat \$150 for vehicles over 10,000.

# Commission on Transportation

The Commission on Transportation, which serves as an advisor to the Director, is a communications conduit between the public and the Department of Transportation.

The Commissioners also chair public hearings for the Department.

**Willie Crozier III**

*Chair, Oahu*

**Lester Fushikoshi**

*Vice Chair, Hawaii*

**Walter Y. Arakaki**

*Oahu*

**Edward Y. Hirata**

*Oahu*

**Rudy Miranda**

*Kauai*

**David Rae**

*Oahu*

**Stephen Smith**

*Maui*

**Norman K. Tsuji**

*Hawaii*

**Alfred Wong**

*Oahu*

**Jane N. Yamashiroya**

*Oahu*

# Airports Division

## Statements of Revenues, Expenses and Changes in Retained Earnings Years ended June 30

	2001	2000
<b>Operating Revenues</b>		
Concession fees	\$176,861,496	\$181,002,147
Airport landing fees	\$36,823,118	\$31,809,905
Aeronautical rentals		
Nonexclusive joint-use premise charges	\$26,534,286	\$26,534,283
Exclusive use premise charges	\$26,260,315	\$26,723,314
Nonaeronautical rentals	\$9,734,523	\$8,992,255
Aviation fuel tax	\$3,869,706	\$3,361,342
Airports system support charges	\$829,501	\$806,850
Miscellaneous	\$6,173,086	\$3,738,126
<b>Total operating revenues</b>	<b>\$287,086,031</b>	<b>\$282,968,222</b>
<b>Operating expenses other than depreciation</b>	<b>\$120,455,657</b>	<b>\$137,411,031</b>
Operating income before depreciation	\$166,630,374	\$145,557,191
<b>Depreciation</b>	<b>\$91,228,299</b>	<b>\$76,974,201</b>
<b>Operating income</b>	<b>\$75,402,075</b>	<b>\$68,582,990</b>
<b>Nonoperating Revenues (expenses):</b>		
Interest income:		
Certificates of deposit, repurchase agreements and U.S. government securities	\$47,425,420	\$49,296,212
Investments in direct financing leases	\$3,215,935	\$3,579,649
Interest expense:		
Revenue bonds:		
Airports system	(\$64,093,061)	(\$73,768,400)
Special facility	(\$3,215,935)	(\$3,579,649)
General obligation bonds	(\$23,035)	(\$65,669)
Federal grants	\$26,785,954	
Contributed land	\$1,087,643	
Gain (loss) on transfer of property	(\$1,527,989)	\$2,580,082
Loss on disposal of property, plant and equipment	(\$1,605,109)	(\$26,085,579)
Loss on redemption of bonds	(\$2,992,297)	(\$103,125)
<b>Total nonoperating revenues (expenses) - net</b>	<b>\$5,057,526</b>	<b>(\$48,146,479)</b>
<b>Net income</b>	<b>\$80,459,601</b>	<b>\$20,436,511</b>
<b>Depreciation expense on assets acquired with federal grants transferred to contributed capital</b>	<b>\$13,891,623</b>	<b>\$11,896,207</b>
<b>Retained earnings at beginning of year</b>	<b>\$1,076,282,823</b>	<b>\$1,043,950,105</b>
<b>Retained earnings at end of year</b>	<b>\$1,170,634,047</b>	<b>\$1,076,282,823</b>

# Harbors Division

<b>Statements of Revenues, Expenses and Changes in Retained Earnings Years ended June 30</b>	<b>2001</b>	<b>2000</b>
<b>Operating Revenues</b>		
Services	\$42,132,173	\$39,871,721
Rentals	\$23,279,652	\$21,658,700
Others	\$1,325,907	\$1,074,898
	<b>\$66,737,732</b>	<b>\$62,605,319</b>
<b>Operating Expenses Before Depreciation</b>		
Personal services	\$8,110,482	\$8,569,859
Harbor operations	\$7,577,610	\$7,362,505
Maintenance	\$4,029,037	\$2,046,884
State of Hawaii, surcharge for central service expenses	\$2,388,447	\$1,872,407
Fireboat operations	\$1,086,376	\$1,257,979
General administration	\$4,743,309	\$1,612,212
Department of Transportation, general administration expenses	\$977,736	\$1,067,320
	<b>\$28,912,997</b>	<b>\$23,789,166</b>
Income from operations before depreciation	<b>\$37,824,735</b>	<b>\$38,816,153</b>
<b>Depreciation</b>		
On assets acquired with own funds	\$10,737,309	\$9,594,254
On assets acquired from contributions	\$557,392	\$551,072
	<b>\$11,294,701</b>	<b>\$10,145,326</b>
Income from operations	<b>\$26,530,034</b>	<b>\$28,670,827</b>
<b>Nonoperating Income (expense)</b>		
Interest income		
Time certificates of deposit and repurchase agreements	\$8,615,145	\$6,308,549
Investment in direct financing lease	\$1,075,233	\$1,074,369
Investments in U.S. Treasury obligations	-	\$17,337
Interest expense (Note H)		
Revenue bonds	(\$10,982,005)	(\$11,435,207)
Special facility revenue bonds	(\$948,750)	(\$948,750)
General obligation bonds	(\$54,909)	(\$75,841)
Amortization of bond discount, issue costs and loss on re-funding	(\$642,510)	(\$594,628)
Loss on disposal of harbor facilities	(\$123,423)	(\$25,431)
Other, net	\$270,345	\$205,864
	<b>(\$2,790,874)</b>	<b>(\$5,473,738)</b>
<b>Refund of Wharfage Fees (Note J)</b>	<b>(\$1,024,613)</b>	<b>-</b>
<b>Net Income</b>	<b>\$22,714,547</b>	<b>\$23,197,089</b>

# Highways Division

## Combines Statement of Revenue, Expenditures and Changes in Fund Balance All Government Fund Types

Year ended June 30, 2001	State Highway Fund	Capital Projects Fund	Total *
Revenues:			
Intergovernmental Federal grants-in-aid	\$28,973,837	\$60,850,842	\$89,824,679
Taxes and fees			
Fuel taxes	\$71,930,592		\$71,930,592
Vehicle weight tax	\$24,387,845		\$24,387,845
Vehicle registration fees	\$17,609,130		\$17,609,130
Interest income	\$14,961,309		\$14,961,309
Others	\$44,280,246		\$44,280,246
<b>Total Revenues</b>	<b>\$202,142,959</b>	<b>\$60,850,842</b>	<b>\$262,993,801</b>
Expenditures:			
Operating and Maintenance			
Oahu Highways and Services	\$34,297,277		\$34,297,277
Hawaii Highways and Services	\$15,413,187		\$15,413,187
Maui Highways and Services	\$11,193,994		\$11,193,994
Molokai Highways and Services	\$2,782,501		\$2,782,501
Lanai Highways and Services	\$714,512		\$714,512
Kauai Highways and Services	\$8,038,950		\$8,038,950
Motor Vehicle Safety Office	\$5,341,079		\$5,341,079
Administration	\$11,460,184		\$11,460,184
Debt Service	\$44,172,171		\$44,172,171
Surcharge for Central Services Expenses	\$6,132,810		\$6,132,810
Capital Projects		\$96,285,418	\$96,285,418
<b>Total Expenditures</b>	<b>\$139,546,665</b>	<b>\$96,285,418</b>	<b>\$235,832,083</b>
Excess (deficiency) of revenues over expenditures before other financial sources (uses)	\$62,596,294	(\$35,434,576)	\$27,161,719
Other financial sources (uses)			
Operating transfers in		\$23,740,586	\$23,740,586
Operating transfers out	(\$42,134,686)		(\$42,134,686)
<b>Total other financial</b>	<b>(\$42,134,686)</b>	<b>\$23,740,586</b>	<b>(\$18,394,100)</b>
Excess (deficiency) of revenues and other financial sources over expenditures and other financial (uses)	\$20,461,608	(\$11,693,990)	\$8,767,619
Fund balance in July 1, 2000	\$118,652,534	\$241,926,167	\$360,578,701
Fund balance in June 30, 2001	\$139,114,142	\$230,232,177	\$369,346,320
State funded highways construction program	\$19,277,315		

\*Unaudited Memorandum Only



# Projects Completed & In Progress FY 2000-2001

Project	Started	Completed	Cost	Description
Baggage Claim Relocation	09/00	07/01	\$1.3M	Construct two baggage claim with two carousels
Hilo Signage and Graphics Improvements	05/00	07/02	\$837,900	Install way finding signs
Kona Signage & Graphics Improvements	10/00	08/01	\$852,331	Install way finding signs
Postal Facility Site	09/00	07/01	\$1.7M	Postal facility site preparation
Waste Water Treatment Plant for Kona Int'l Airport	06/00	11/01	\$15.9M	Replace Sewage Treatment Plant
Apron Site Preparation and Road Realignment, Phase I	01/00	06/01	\$15.8M	Realign Akuhini Road and construct FBO lease lots
Multi Cultural Enhancement, Lihue	10/99	07/00	\$616,076	Theme enhancements
Repair Runway 2-20 and Taxiway	07/00	11/00	\$5.3M	Repair runway and taxiway pavements
East Ramp Sewer System for Kahului Airport	11/00	10/01	\$2.7M	Upgrade sewer system
Access Road and Parking Lot Improvement, Molokai	07/00	07/01	\$1.3M	Access road realignment and upgrade parking
LAHSO Lights, HNL	05/01	05/02	\$387,000	Lights to allow simultaneous runway operations
Multi Cultural Enhancement, HNL	05/99	09/01	\$2.4M	Theme enhancements
Ticket Lobby Improvements	02/01	04/02	\$5.3M	Glass canopies for cover fronting the ticket lobby
Central Concourse Miscellaneous Improvements, HNL	10/00	12/01	\$2M	Install doors and windows, refurbish restrooms
Airport Roadway Signs	08/00	11/00	\$335,813	Install three electronic signs
Manuwai Canal Culvert Extension	02/00	10/01	\$7.8M	Extend concrete culvert
Improvements to ARFF Station, Phase II	10/00	04/01	\$1.7M	Upgrade airport fire station water tank and facilities
Honolulu Harbor, Pier 24-29	8/99	8/01	\$800,000	Shed demolition & site improvements
Honolulu Harbor, Pier 32	3/99	7/01	\$706,000	Tank farm demolition
Honolulu Harbor Piers 36-38	3/99	8/01	\$6.4M	DCFV pier improvements
Honolulu Harbor, Pier 36-38 Subdivision	2/00	8/01	\$4.1M	DCFV subdivision improvements
Honolulu Harbor, Pier 51A Utilities	4/00	12/00	\$510,000	Utilities for comfort station/office
Honolulu Harbor, Pier 36-38 Multi-User Bldg.	1/01	09/01	\$5.6M	DCFV construction of building
Honolulu Harbor, Piers 15-20	6/00	10/00	\$325,000	Maintenance dredging
Honolulu Harbor, Pier 31-33	10/00	03/01	\$179,000	Repair substructure
Honolulu Harbor, Sand Island Container Yard	5/00	09/01	\$281,000	Light pole repairs
Honolulu Harbor, Pier 39	5/00	11/00	\$421,000	Fender repairs
Honolulu Harbor, Piers 16 & 17	2/00	09/01	\$190,000	Electrical repairs
Honolulu Harbor, Matson Office Building	1/01	03/01	\$103,000	Repaint exterior
Honolulu Harbor, Pier 51-53 Container Yard	9/99	02/01	\$442,000	Pavement repairs
Honolulu Harbor, Pier 39	10/00	08/01	\$200,000	Pavement repairs
Honolulu Harbor, Pier 11	3/00	08/00	\$206,000	Roof repairs
Honolulu Harbor, Pier 1	11/00	03/01	\$74,000	Replace CFS#2 shed overhead doors
Honolulu Harbor, Pier 51	2/01	08/01	\$173,000	Replace waterline in container yard
Honolulu Harbor, Pier 51-53 Container Yard	12/00	12/01	\$1.4 M	Pavement repairs

Project	Started	Completed	Cost	Description
Honolulu Harbor, Piers 8-11	5/01	08/01	\$208,000	Replace bullrails
Honolulu Harbor, Piers 1&2	5/01	07/01	\$148,000	Repair fendering
Kalaeloa Barbers Point Harbor, Pier 5	4/00	09/01	\$5M	Pier 5 extension & utility improvements
Kalaeloa Barbers Point Harbor	1/00	07/01	\$406,000	Navigational lighting along NW margin
Kalaeloa Barbers Point Harbor, Pier 7	11/00	05/02	\$17M	Construct Pier 7 & landside improvements.
Kalaeloa Barbers Point Harbor, Roadway	11/00	04/01	\$365,000	Internal access roadway improvements
Kalaeloa Barbers Point Harbor, Electrical	3/00	09/01	\$65,000	Electrical repairs
Kalaeloa Barbers Point Harbor, Pier 5	2/01	03/01	\$73,000	Repair fender system
Kewalo Basin, Catwalks T-F1	5/00	08/01	\$2.5M	Replacement of catwalks
Kahului Harbor, Pier 2A	9/99	01/01	\$4.2M	Strengthening pier & demolish shed
Kahului Harbor, Pier 1C	5/01	12/02	\$8.6M	Construct Pier 1C extension
Kahului Harbor, Pier 1	3/01	05/01	\$360,000	Construct breasting bollards
Kahului Harbor, Pier 1 Shed	7/00	08/01	\$1.1M	Construct passenger cruise terminal
Kahului Harbor, Pier 2	1/01	03/01	\$110,000	Repair fender system
Kahului Harbor, Pier 1 Container Yard	11/00	11/00	\$55,000	Pavement repairs
Kahului Harbor, P2 Shed Extension & P1A Shed	4/01	08/01	\$122,000	Repairs to roll-up doors
Kahului Harbor, Pier 2 Shed Extension	5/01	08/01	\$192,000	Repairs to shed
Kaunakakai Harbor, Pier	7/00	12/00	\$56,000	Pile repairs
Kaunakakai Harbor, Causeway	11/00	12/00	\$61,000	Pavement repairs
Kawaihae Harbor, Container Yard	11/00	08/01	\$3.5M	Pave additional barge terminal area
Hilo Harbor, Pier 3	2/01	10/01	\$1.0M	Pave former molasses tank area
Hilo Harbor, Pier 1 Shed	6/00	10/00	\$115,000	Repaint exterior of shed
Hilo Harbor, District Office	1/01	06/01	\$85,000	Replace roofing
Hilo Harbor, Pier 1	11/00	12/00	\$156,000	Repair fender system, phase 4
Nawiliwili Harbor, Waapa & Jetty Roads	3/01	06/01	\$84,000	Drainage improvements
Nawiliwili Harbor, Pier 2	7/00	09/00	\$95,000	Pile repairs
Nawiliwili Harbor, Pier 2 Shed	10/00	12/00	\$72,000	Siding repairs
Port Allen Harbor Shed	4/01	10/01	\$328,000	Repair fire sprinkler system
Interstate Route H-1, Kapiolani Interchange	9/99	10/01	\$4.7M	Seismic retrofit
Interstate Route H-1, Kunia Interchange	8/98	9/01	\$14.4M	Interchange improvements
Interstate Route H-1, Kunia Interchange to Waikele Stream Bridge	11/99	9/01	\$3.7M	Resurfacing
Interstate Route H-1, Lunalilo Off-Ramp, Makiki Viaduct and Palama Separation.	8/00	9/01	\$4.1M	Seismic retrofit
Interstate Route H-1, Palehua Separation to Waikele Bridge	4/00	9/01	\$2.5M	Guardrail and shoulder improvements
Interstate Route H-1, Punahou Street	4/01	1/03	\$2.7M	Off-Ramp improvements
Interstate Route H-1, Punahou Street Off Ramp	7/00	3/01	\$388,000	Noise abatement
Interstate Route H-1 at Various Locations, Palilali Interchange to Airport Interchange	11/98	5/99	\$625,448	Guardrail and shoulder improvements
Interstate Route H-1, Vicinity of Punchbowl Off Ramp to Kapiolani Interchange	4/00	9/01	\$23.4M	Resurfacing
Interstate Route H-1, Waipahu Street to Waiawa Road	1/98	9/01	\$3.9M	Resurfacing

Project	Started	Completed	Cost	Description
Interstate Route H-2, Leilehua Interchange to Waiawa Interchange	7/00	7/02	\$4.0M	Highway lighting installation
Interstate Route H-2, Mililani Interchange, Southbound On and Off Ramps	10/98	9/01	\$3.8M	Ramp construction
Interstate Route H-2, Mililani Interchange, to Wahiawa	8/00	2/02	\$186,846	Guardrail installation
Interstate Route H-3, H-3 Finish	7/00	1/02	\$4.0M	Finishing work
Interstate Route H-3, Halekou Interchange, Kamooalii Branch	9/98	3/01	\$299,600	Drainage improvements
Interstate Route H-3, Halekou Interchange to Kaneohe Marine Corps Base, Hawaii	1/00	9/01	\$3.6M	Resurfacing
Interstate Route H-3, Leeward Section.	8/97	9/01	\$48.3M	Finishing work
Material Testing and Research Branch	1/01	7/01	\$36,030	Building renovations - lights
Material Testing and Research Branch	1/01	5/01	\$118,961	Miscellaneous building renovations
Farrington Highway, Auyong Homestead Road to Nanaikeola Street.	2/01	9/01	\$673,520	Improvements
Farrington Highway, Waiomea Street.	4/01	1/02	\$2.0M	Intersection improvements
Farrington Highway, Leoku Street.	2/01	9/01	\$491,015	Intersection improvements
Farrington Highway, Above the Waipahu High School Athletic Field.	3/01	12/01	\$739,668	Construct retaining wall
Farrington Highway, Ala Hema Street to Piliokoe Bridge.	12/00	2/02	\$1.1M	Lighting improvements
Farrington Highway, Maipela Street to Lualei Place	2/97	8/00	\$427,700	Lighting improvements
Farrington Highway, Paiwa Street to Pupupuhi Street	11/98	11/00	\$2.5M	Sidewalk improvements
Farrington Highway, Vicinity of Tracks Beach Park.	1/00	9/01	\$1.1M	Highway improvements
Fort Weaver Road, Laulaunui Street to Hanakahi Street	6/01	4/02	\$621,700	System installation
Fort Weaver Road, North of Laulaunui Street to Vicinity of Hanakahi Street.	4/01	12/01	\$4.7M	Resurfacing
Fort Weaver Road, Renton Road and Vicinity of Kahua Ranch Nursery	5/00	9/01	\$158,000	Drainage improvements
Fort Weaver Road, Vicinity of Hanakahi Highway to Farrington Highway	4/99	9/01	\$1.1M	Landscaping
Hauula Baseyard.	5/01	3/02	\$1.1M	Improvements
Highway Lighting at Various Locations	10/98	2/02	\$15.0M	Safety improvements
Kahekili Highway, Likelike Highway to Vicinity of Haiku Road	6/95	9/01	\$27.2M	Additional lanes, highway lighting replacement
Kahekili Highway, Vicinity of Hui Iwa Street	5/00	1/01	\$124,362	Drainage improvements
Kailua Road Bicycle Route, Kalaniana'ole Highway to Kawainui Bridge	9/99	7/01	\$1.6M	Shoulder improvements
Kalaniana'ole Highway, Ainakoa Avenue to West Hind Drive. & Kalaniana'ole Highway, Ainakoa Avenue to Laukahi Street	7/00	6/02	\$3.1M	Resurfacing and water main installation
Kalaniana'ole Highway, Analii Street.	3/01	10/01	\$188,442	Traffic signal installation
Kalaniana'ole Highway, Hanauma Bay towards Sandy Beach	2/99	9/01	\$6.6M	Guardrail replacement

Project	Started	Completed	Cost	Description
Kalaniana'ole Highway, Makapuu Lookout to Kealahou Street	1/00	9/01	\$686,048	Shoulder improvements
Kamehameha Highway, Acacia Road to Honomanu Street	3/00	10/01	\$1.0M	Pedestrian accessible route improvements
Kamehameha Highway, Anemoku Street	10/00	9/01	\$192,700	Traffic signal installation
Kamehameha Highway, Halawa Stream Bridge (Inbound)	12/99	9/01	\$83,360	Subsurface investigation
Kamehameha Highway, Helemano-Waialua Junction to Haleiwa Beach Park	10/98	9/00	\$618,625	Landscaping
Kamehameha Highway, Kaneohe Bay Drive to Kahiko Street	7/00	10/01	\$192,700	Resurfacing
Kamehameha Highway, Leilehua Golf Course Road	12/00	12/01	\$2.5M	Intersection improvements
Kamehameha Highway, Vicinity of Polinalina Road	7/00	9/01	\$439,000	Drainage improvements
Kamehameha Highway, Vicinity of Arizona Memorial	4/00	9/01	\$173,283	Landscape improvements
Keehi Baseyard	1/00	9/01	\$217,017	Construct washdown area
Kunia Road, Anonui Street to South Kupauna Loop; and H-1, Kunia Interchange, Ramp KO	2/00	9/01	\$3.7M	Street & ramp widening
Kunia Road, Kunia Regional Signit Operations Center	5/01	9/01	\$199,655	Traffic signal installation
Mokapu Saddle Road, H-3 to Oneawa Street	4/99	9/00	\$488,812	Lighting installation
Mokapu Saddle Road, H-3 On Ramp	5/00	9/01	\$1.2M	Installation of traffic signals
Mokapu Saddle Road, Kaneohe Bay Drive	3/00	9/01	\$340,899	Installation of traffic signals
Nimitz Highway, Rodgers Blvd to Ahua Street.	8/00	9/01	\$3.5M	Resurfacing
Oahu District Warehouse Building	6/01	2/02	\$2.7M	Construct warehouse building
Pali Highway, Country Club Road to Tunnel Entrance	5/98	1/01	\$4.3M	Resurfacing
Pali Highway, Jack Lane	7/00	9/01	\$573,187	Intersection improvements
Pali Highway, Waokanaka Street	11/99	12/00	\$216,486	Extend left turn storage lane
Pearl City and Keehi Baseyards	2/01	9/01	\$262,862	Fence & bumper guard installation
Vineyard Blvd, Nuuanu Avenue	11/99	7/00	\$302,961	Signal upgrade
Waialae Avenue, Vicinity of Kahala Mall	6/00	9/01	\$251,420	Landscape improvements
Wilikina Drive, Kamananui Road	3/00	10/01	\$1.2M	Intersection improvements
Wilson Tunnel	4/01	4/02	\$1.5M	Improvements
Akoni Pule Highway, Kohala Ranch to Kawaihae	2/00	11/01	\$2.3M	Guardrail & shoulder improvements
Akoni Pule Highway, Milepost 3.43 to Milepost 6.90	5/97	9/01	\$747,186	Resurfacing
Akoni Pule Highway, Mahukona to Kokoike	2/97	9/01	\$970,796	Resurfacing
Hawaii Belt Road, Auwaiakeakua and Popoo Bridges	6/00	1/02	\$3.7M	Bridge replacement
Hawaii Belt Road, East of Ninole	3/00	9/01	\$3.8M	Seismic retrofit of various bridges
Hawaii Belt Road, Hawaii Volcanoes National Park Headquarters and Pahala	10/97	9/01	\$1.3M	Resurfacing
Hawaii Belt Road, Honokaa to Waimea	12/97	9/01	\$1.8M	Guardrail & shoulder improvements

Project	Started	Completed	Cost	Description
Hawaii Belt Road, Kaala Bridge to Kaawalii Gulch	10/96	9/01	\$2.9M	Resurfacing
Hawaii Belt Road, Mud Lane to Honokaa	4/98	9/01	\$2.7M	Resurfacing
Hawaii Belt Road, Paukaa to Papaikou	12/98	9/01	\$1.2M	Resurfacing
Hawaii Belt Road, Various Locations	11/00	2/02	\$220,348	Culvert repairs & renovations
Hawaii Belt Road, Vicinity of Maulua Gulch, Laupahoehoe Gulch, and Kaawalii Gulch	1/01	5/01	\$408,393	Drainage improvements
Hawaii Belt Road, Vicinity of Ookala	8/99	9/01	\$1.1M	Seismic retrofit of various bridges
Hawaii Belt Road, Vicinity of Opea Stream	4/01	6/01	\$286,200	Emergency realignment
Hawaii Belt Road, Vicinity of Papaikou	8/00	1/02	\$2.8M	Seismic retrofit of various bridges
Hawaii Belt Road, Vicinity of Waipunalei to Kilau Gulch	4/00	10/01	\$641,407	Resurfacing
Hawaii Belt Road, West of Ninole	5/00	9/01	\$991,134	Seismic retrofit of various bridges
Hilo Baseyard	2/01	11/01	\$1.2M	Improvements
Hilo Baseyard, Office Buildings	3/98	9/01	\$411,700	Reroof & repaint office buildings
Honokaa-Waipio and Hawaii Belt Road, Various Locations	9/99	10/00	\$660,860	Repair of drainage structures
Kanoelehua Avenue, Kamehameha Avenue to Kawaiiani Street	8/00	10/01	\$928,000	Traffic signal modernization
Kanoelehua Avenue, Keaau to Kamehameha Avenue	2/97	9/01	\$5.1M	Resurfacing
Kawaihae Road, Vicinity of Kawaihae Harbor to Route 19 M.P. 1.90 to M.P. 3.47	11/00	12/01	\$746,500	Resurfacing
Keaau-Pahoia Road, Keaau Town Section	11/98	7/00	\$10.7M	Construct bypass road
Keaau-Pahoia Road, Keaau Town Section	1/98	9/01	\$4.3M	Construct bypass road
Kohala Mountain Road, Ili Road to Kahua	8/99	3/02	\$1.1M	Resurfacing
Kuakini Highway, Honalo towards Kamehameha III Road	8/00	10/01	\$96,300	Drainage improvements
Kuakini Highway, Seaview Circle	2/99	7/00	\$223,662	Install traffic signals
Kuakini Highway Vicinity of Kaumalumalu Stream	10/99	2/01	\$110,440	Drainage improvements
Mamalahoa Highway, Keaiwa Bridge	3/01	9/01	\$6.3M	Emergency bridge replacement
Mamalahoa Highway, Vicinity of Kamakoa Bridge No. 1 to Keamoku, M.P. 4.68 to M.P. 9.74	11/99	10/01	\$1.0M	Resurfacing
Maulua/Pahoee/Kapue/Pukihae Bridge	5/01	3/02	\$167,200	Bridge joint repairs
Puainako Street, Kilauea Avenue to Kanoelehua Avenue	10/00	7/02	\$1.3M	Improvements
Puainako Street, Vicinity of Iwalani Street	1/01	1/02	\$79,163	White-topping
Queen Kaahumanu Highway and Kawaihae Road, Route 19, M.P. 63.30 to M.P. 69.50	10/98	9/01	\$1.8M	Resurfacing
Queen Kaahumanu Highway, Hina-Lani Street	4/01	10/01	\$466,252	Traffic signal modernization
Queen Kaahumanu Highway, Honokohau to Keahole	8/98	9/01	\$3.5M	Resurfacing
Queen Kaahumanu Highway, Kaiminani Drive	2/98	9/01	\$332,576	Install traffic signals

Project	Started	Completed	Cost	Description
Queen Kaahumanu Highway, Kaloko-Honokohau National Historic Park	4/01	9/01	\$523,880	Intersection improvements
Queen Kaahumanu Highway, Palani to Honokohau	9/99	9/01	\$798,695	Resurfacing
Various Bridges, Vicinity of Honokaa and Kawaihae	1/01	4/01	\$298,409	Seismic retrofit of various bridges
Various Bridges, Vicinity of North of Paauilo	10/00	9/01	\$274,384	Seismic retrofit of various bridges
Various Bridges, Vicinity of South of Honokaa	1/01	9/01	\$580,877	Seismic retrofit of various bridges
South Kona Baseyard, Hawaii	8/99	9/01	\$122,156	Fuel storage system
Haleakala Highway, Hana Highway and Mokulele Highway	4/00	8/00	\$329,585	Pavement marking & striping
Hana Highway, Hobron Road	6/00	6/01	\$689,800	Intersection improvements.
Hana Highway, Kaahumanu Avenue to Dairy Road	9/97	8/00	\$1.5M	Resurfacing
Hana Highway, Uaoa Bridge and Approaches	10/00	6/02	\$8.1M	Bridge replacement
Hana Highway, Various Locations	4/01	7/01	\$835,851	Roadway repairs
Hana Highway, Vicinity of Keawa Place	3/00	7/00	\$1.8M	Drainage improvements
Honoapiilani Highway Bypass, Ikena Avenue	9/00	2/01	\$154,000	Demolition
Honoapiilani Highway, High Street to Puamana	6/01	12/02	\$2.2M	Guardrail & shoulder improvements
Honoapiilani Highway, Kaanapali towards Lahaina	3/01	2/02	\$937,070	Traffic signal modernization
Honoapiilani Highway, Kuihelani Highway to North Kihei Road	6/01	6/02	\$7.5M	Highway widening
Honoapiilani Highway, Napilihau Street	7/00	11/00	\$394,495	Traffic signal installation
Honoapiilani Highway, Pali Section, Phase IV	11/99	10/00	\$1.1M	Rockfall protection
Honoapiilani Highway, Puamana to Kaanapali	5/98	12/00	\$2.5M	Resurfacing
Honoapiilani Highway, Shaw Street to Maalea Harbor and Kekaulike Avenue Bikeway, Kula Highway to Haleakala Highway	9/99	9/01	\$495,200	Bikeway improvements
Honoapiilani Highway, Vicinity of McGregor Point to Olowalu	4/99	9/01	\$1.5M	Resurfacing
Kaahumanu Avenue, Nanihoa Drive to Kahului Beach Road & Hana Highway, Kaahumanu Avenue to Dairy Road.	9/97	12/00	\$584,268	Guardrail & shoulder improvements
Kalae Highway, Maunaloa Highway to Kalaupapa Lookout Parking Lot	1/01	8/01	\$2.2M	Resurfacing
Kaunapali Highway, Kaunapali Harbor towards Airport Road	4/00	4/01	\$825,795	Resurfacing
Kuihelani Highway, Honoapiilani Highway to Puunene Avenue	1/00	1/01	\$1.4M	Resurfacing
Kuihelani Highway, Honoapiilani Highway to Puunene Avenue	5/00	1/01	\$11.8M	Highway widening
Main Street, Central Avenue to Kaahumanu Avenue and Kaahumanu Avenue, Main Street to Hobron Avenue and Kaahumanu Avenue, High Street to Wharf Street	4/01	11/01	\$8.7M	Resurfacing and traffic signal modernization

Project	Started	Completed	Cost	Description
Manele Road, Palawai Basin towards Manele Bay	8/99	4/01	\$554,098	Resurfacing
Maunaloa Highway, Hoolehua to Kaunakakai	12/99	9/00	\$558,235	Guardrail & shoulder improvements
Maunaloa Highway, Maunaloa Village to Mahana	10/99	6/01	\$1.9M	Resurfacing
Maui District Administration Building	3/99	7/00	\$42,880	Office renovation
North Kihei Road, Honoapiilani Highway to Piilani Highway	10/00	3/01	\$611,666	Resurfacing
Piilani Highway, Kilohana Drive	9/00	3/01	\$389,859	Install traffic signals
Piilani Highway, North Kihei Road and Hana Highway	9/99	1/01	\$223,755	Pavement marking & striping
Puupeelua Avenue, Maunaloa Highway to Farrington Avenue and Farrington Avenue, Puupeelua Avenue to Kalae Highway	9/98	1/01	\$2.5M	Resurfacing
Street Lights at Various Locations	3/01	10/01	\$277,118	Install street lights
Waiehu Beach Road, Makaala Drive to Iao Stream Bridge	5/00	9/00	\$389,303	Construct two way left turn lane
Existing Intersections and Highway Facilities	12/00	9/01	\$1.1M	Traffic and safety improvements
Kapule Highway, Ahukini Road	10/00	9/01	\$492,016	Intersection improvements
Kapule Highway, Haoa Street	11/99	4/01	\$607,811	Intersection improvements
Kapule Highway, Vicinity of Ahukini Road to Kuhio Highway	1/01	10/01	\$273,288	Miscellaneous improvements
Kaumualii Highway, Koloa Road	5/01	11/02	\$4.7M	Intersection improvements
Kaumualii Highway, Kuhio Highway and Rice Street	6/99	8/00	\$13.0M	Intersection improvements
Kaumualii Highway, Maluhia Road	2/00	1/01	\$433,600	Acceleration lane
Kaumualii Highway, Various Locations	4/01	9/01	\$524,600	Traffic signal modernization
Kaumualii Highway, Vicinity of Hokua Road	7/00	1/01	\$297,822	Drainage improvements
Kaumualii Highway, Vicinity of Kikiaola Boat Harbor	6/00	7/00	\$121,000	Drainage improvements
Kaumualii Highway, Vicinity of Huleia Bridge to Maluhia Road	3/00	1/01	\$998,200	Resurfacing
Kaumualii Highway, Vicinity of Wahiawa Bridge to Laulea Street	12/00	9/01	\$962,540	Resurfacing
Kuamoo Road, Vicinity of U.H. Agricultural Station to End of Kuamoo Road	10/00	6/01	\$632,360	Resurfacing
Kuhio Highway and Kapule Highway	4/99	7/00	\$1.3M	Guardrail improvements
Kuhio Highway, Various Locations	7/00	10/01	\$1.3M	Guardrail and shoulder improvements
Kuhio Highway, Vicinity of Kumukumu to Aliomanu Road	11/00	9/01	\$1.6M	Resurfacing
Kuhio Highway, Vicinity of Lumahai Bridge to Alealea Road	4/01	9/01	\$843,300	Resurfacing
Kuhio Highway, Waiakaea Bridge	9/00	4/02	\$2.6M	Bridge widening
Lihue Gateway, Ahukini Road and Kapule Highway	6/00	12/01	\$5.4M	Gateway beautification

