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Section 18

TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

The chief source for transportation statistics is the Hawaii State Department of Transportation's Highways, Harbors and Airports Divisions, and the Motor Vehicle Safety Office. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, the U.S. Census Bureau, Honolulu Public Transit Authority, county finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in *Historical Statistics of Hawaii*, Section 17. Another source of long-term trend information is *What People Paid to Travel*, published by the Hawaiian Historical Society in 1991. Similar statistics for other areas are reported in the *Statistical Abstract of the United States: 2006*, Section 23.

Table 18.01-- HIGHWAY DISTANCES: 2005

Route	Statute miles	Route	Statute miles
HAWAII		MOLOKAI	
Hilo-Lyman Field	2.0	Kaunakakai-Sheraton Hotel	19.5
Hilo-Kalapana	28.4	Kaunakakai-Maunaloa	16.5
Hilo-Mauna Kea summit	39.3	Kaunakakai-Airport	8.0
Hilo-Mauna Loa summit	52.4	Kaunakakai-Halawa	27.6
Hilo-Volcano House	30.7	Airport-Sheraton Hotel	11.5
Hilo-Kailua, via Naalehu	123.0		
Hilo-Kailua, via Saddle Rd.	84.0	OAHU 1/	
Hilo-Kailua, via Hamakua	98.1		
Hilo-Waimea, via Saddle Rd.	60.9	Honolulu-Ala Moana Center	1.5
Hilo-Waimea, via Hamakua	55.7	Honolulu-UH, via King Street	3.2
Hilo-Upolu Pt., via Hamakua	89.6	Honolulu-Waikiki	3.2
Hilo-Kawaihae, via Hamakua	67.5	Honolulu-Waimanalo, via Koko Head	21.2
Waimea-Hawi	20.2	Honolulu-Waimanalo, via Nuuanu	16.0
Waimea-Kawaihae	10.0	Honolulu-Kailua, via Nuuanu	13.0
Kawaihae-Hawi	17.3	Honolulu-Kaneohe, via Kalihi	12.0
Kawaihae-Kailua	34.3	Honolulu-Kahuku, via Kahaluu	38.0
Kailua-Keahole Airport	7.3	Honolulu-Kahuku, via Wahiawa	48.0
Kailua-Keauhou	5.7	Honolulu-Kaena Pt., via Wahiawa	43.4
		Honolulu-Kaena Pt., via Waianae	43.7
MAUI		Honolulu-Wahiawa	23.0
		Honolulu-Pearl Harbor Shipyard	8.0
Wailuku-Kahului	2.3	Honolulu-Honolulu Airport	6.5
Wailuku-Kahului Airport	4.2	Waikiki-UH, via Kapahulu	3.2
Wailuku-Hana, via Keanae	53.2	Waikiki-Honolulu Airport	8.0
Wailuku-Hana, via Kaupo	59.8	Waimanalo-Kahuku	32.6
Wailuku-Haleakala summit	38.2	Circle island, via Makapuu	99.5
Wailuku-Makena	17.9	Circle island, via Nuuanu Pali	81.6
Wailuku-Lahaina, via Kahakuloa	38.0		
Wailuku-Lahaina, via Olowalu	20.9	KAUAI	
Kahului-Kihei	8.2		
Lahaina-Wailea	32.4	Lihue-Haena	38.2
Lahaina-Napili	8.9	Lihue-Wailua	5.9
Lahaina-Kaanapali	3.7	Lihue-Lihue Airport	2.0
		Lihue-Poipu	11.9
LANAI		Lihue-Mana	32.9
		Lihue-Kalalau Lookout	44.6
Lanai City-Lanai Airport	3.1	Poipu-Kalalau Lookout	36.8
Lanai City-Hulopoe	7.5	Poipu-Princeville	40.7

1/ Honolulu distances measured from South King and Bishop Streets; Waikiki, from Kalakaua Avenue and Lewers Street.

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: DECEMBER 31, 2003 TO 2005

[Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Freeways	Other	
2003				
State total	4,307.20	88.55	4,046.24	172.41
Hawaii	1,459.80	-	1,400.50	59.30
Maui	630.60	-	573.90	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,622.48	88.55	1,526.01	7.92
Kauai	413.98	-	391.49	22.49
Niihau	-	-	-	-
2004				
State total	4,316.35	88.55	4,055.39	172.41
Hawaii	1,466.06	-	1,406.76	59.30
Maui	630.69	-	573.99	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,625.34	88.55	1,528.87	7.92
Kauai	413.92	-	391.43	22.49
Niihau	-	-	-	-
2005				
State total	4,332.21	88.53	4,071.27	172.41
Hawaii	1,471.84	-	1,412.54	59.30
Maui	634.00	-	577.30	56.70
Lanai	47.48	-	33.48	14.00
Molokai	132.86	-	120.86	12.00
Oahu	1,628.23	88.53	1,531.78	7.92
Kauai	417.80	-	395.31	22.49
Niihau	-	-	-	-

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2005

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
State	752	Airport Viaduct	14,890	Nanue	208
Hawaii	135	Hakalau	775	Nanue	208
Maui	98	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	445	Airport Viaduct	14,890	Kipapa	156
Kauai	55	Hanamaulu	1,150	Wahiawa, Koloa	90

1/ Limited to bridges under State jurisdiction and longer than 20 feet.

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.04-- CONDITION OF BRIDGES: 2001 TO 2005

Area	Number of bridges	Deficient and obsolete					
		Total		Structurally deficient 1/		Functionally obsolete 2/	
		Number	Percent	Number	Percent	Number	Percent
2001							
U.S.	590,066	165,099	28.0	83,630	14.2	81,469	13.8
Hawaii	1,071	537	50.1	193	18.0	344	32.1
2002							
U.S.	591,220	163,010	27.6	81,437	13.8	81,573	13.8
Hawaii	1,089	522	47.9	171	15.7	351	32.2
2003							
U.S.	592,246	160,819	27.2	79,811	13.5	81,008	13.7
Hawaii	1,097	512	46.7	155	14.1	357	32.5
2004							
U.S.	593,885	158,318	26.7	77,758	13.1	80,560	13.6
Hawaii	1,099	513	46.7	156	14.2	357	32.5
2005							
U.S.	594,616	156,177	26.3	75,871	12.8	80,306	13.5
Hawaii	1,104	514	46.6	160	14.5	354	32.1

1/ Bridges are structurally deficient if they have been restricted to light vehicles, require immediate rehabilitation to remain open, or are closed.

2/ Bridges are functionally obsolete if they have deck geometry, load carrying capacity, clearance or approach roadway alignment that no longer meet the criteria for the system of which the bridge is a part.

Source: U.S. Department of Transportation, Federal Highway Administration, <<http://www.fhwa.dot.gov/bridge/deficient.htm>> accessed April 7, 2006; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2005

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side to Honolulu from Honolulu	1,000 1,080
Pali, Kailua side to Honolulu from Honolulu	500 497
Wilson to Honolulu from Honolulu	2,775 2,813
H-3 to Honolulu from Honolulu	4,890 5,165
H-3, Hospital Rock to Honolulu from Honolulu	353 354
Middle Street	393
Maui	
Olowalu	318
Kauai	
Kipu-Mahaulepu (private road)	2,200

Source: Hawaii State Department of Transportation, Highways Division, records; McBryde Sugar Plantation, records.

**Table 18.06-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1995 TO 2005**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of State]

Year	All vehicles registered	Motor vehicles				
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses	
1995	901,291	877,756	694,239	54	3,660	
1996	907,770	884,617	703,094	59	3,468	
1997	906,964	884,267	704,693	54	3,226	
1998	915,753	893,427	713,732	61	3,084	
1999	929,474	906,935	725,142	59	3,028	
2000	964,738	941,242	754,840	56	2,902	
2001	986,555	967,146	775,737	53	2,847	
2002	1,013,594	987,598	792,482	61	2,815	
2003	1,057,625	1,030,845	830,672	47	2,588	
2004	1,100,646	1,072,211	867,120	44	2,510	
2005	1,149,403	1,119,838	906,799	47	2,472	
		Motor vehicles -- continued				
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers	
1995	161,609	567	239	17,388	23,535	
1996	160,013	504	225	17,254	23,153	
1997	158,457	457	220	17,160	22,697	
1998	158,977	423	214	16,936	22,326	
1999	161,067	407	224	17,008	22,539	
2000	165,104	409	270	17,661	23,496	
2001	168,414	495	314	19,286	19,409	
2002	160,941	513	359	20,427	25,996	
2003	174,641	510	368	22,019	26,780	
2004	178,596	547	449	22,945	28,435	
2005	184,513	603	530	24,874	29,565	

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTY:
1995 TO 2005**

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers and semi-trailers]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1995	877,756	601,239	111,624	52,364	112,529
1996	884,617	598,772	115,647	52,984	117,214
1997	884,267	595,121	118,364	53,904	116,878
1998	893,427	594,096	121,959	56,554	120,818
1999	906,935	597,610	126,039	57,882	125,404
2000	941,242	614,985	132,305	61,316	132,636
2001	967,146	631,232	136,786	62,655	136,473
2002	987,598	643,810	142,150	63,580	138,058
2003	1,030,845	667,565	150,983	67,312	144,985
2004	1,072,211	688,163	159,627	71,517	152,904
2005	1,119,838	714,604	169,396	75,561	160,277

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2005**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of State]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	1,149,403	727,982	178,524	78,511	164,386
Motor vehicles	1,119,838	714,604	169,396	75,561	160,277
Passenger vehicles 1/	906,799	594,100	132,620	54,910	125,169
Ambulances	47	27	8	1	11
Buses	2,472	1,908	281	11	272
Trucks 1/	184,513	101,182	32,714	19,122	31,495
Truck tractors	603	348	148	21	86
Truck cranes	530	389	79	6	56
Motorcycles, motorscooters 2/	24,874	16,650	3,546	1,490	3,188
Trailers and semi-trailers	29,565	13,378	9,128	2,950	4,109

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS,
BY COUNTY: 2005**

[Includes vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers, semi-trailers and motorcycles]

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	1,094,964	697,954	165,850	74,071	157,089
Taxable vehicles	1,023,454	629,964	164,451	73,277	155,762
Exempt vehicles	71,510	67,990	1,399	794	1,327
Federal government	382	368	12	-	2
State government	5,358	5,354	4	-	-
County government	6,436	4,100	749	515	1,072
Fire department	265	72	120	38	35
Police department	1,645	1,292	350	-	3
Consulates	58	57	-	-	1
Disabled veterans	108	60	11	33	4
Military non-resident	56,849	56,483	79	200	87
Farm	258	96	48	5	109
Horseless carriage	47	37	8	1	1
Electric vehicles	104	71	18	2	13

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTY: 2000**

Vehicles available	State	Hawaii	Honolulu	Kalawao	Kauai	Maui
Occupied units	403,240	52,985	286,450	115	20,183	43,507
None	44,280	3,655	36,614	13	1,221	2,777
1	149,369	19,499	107,393	63	6,770	15,644
2	143,919	21,017	97,752	39	8,229	16,882
3 or more	65,672	8,814	44,691	-	3,963	8,204

Source: U.S. Census Bureau, Census 2000, Table DP-4, Profile of Selected Housing Characteristics: 2000.

Table 18.11-- TRUCK CHARACTERISTICS: 1987 TO 2002

Category (100 percent)	Selected characteristic	Percent of category			
		1987	1992	1997	2002
Total trucks (1,000)		160.8	280.3	294.2	351.4
Business 1/ Body type	Personal transportation Pickup, mini-van, other light van, and sport utility	60.5	61.7	2/ 70.1	74.0
Vehicle size	Light	91.2	93.8	94.9	95.9
Annual miles	Less than 10,000 3/	94.6	95.6	95.9	96.9
Model year	Over 4 years old	57.0	50.0	2/ 44.3	51.1
Vehicle acquisition	New	62.1	66.8	74.1	68.0
Truck type	Single-unit, 2 axles 4/	49.6	54.3	48.3	50.4
Range of operation	50 miles or less	96.4	96.6	97.7	98.1
Fuel type	Gasoline	80.2	79.3	2/ 81.2	70.5
		94.6	94.6	95.1	93.7

1/ Comparability of estimates may vary across survey years due to changes in category definitions.

2/ Revised from previous *Data Book*.

3/ Includes vehicles not in use.

4/ Excludes truck-tractors not in use.

Source: U.S. Bureau of the Census, *Truck Inventory and Use Survey, 1992 Census of Transportation*, TC92-T-12 (December 1994), table 2 <<http://www.census.gov/prod/1/trans/92trkinv/tct12.pdf>>; U.S. Census Bureau, *2002 Economic Census, Vehicle Inventory and Use Survey, Geographic Area Series, Hawaii*, EC02TV-HI (October 2004), tables 1a and 2a <<http://www.census.gov/svsd/www/02vehinv.html>> accessed May 12, 2005.

**Table 18.12-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS: 1989 TO 2005**

[Excludes U-drive/Fleet sales]

Year	Number	Year	Number	Year	Number
1989	57,456	1995	41,083	2001	51,388
1990	54,544	1996	41,480	2002	53,314
1991	47,783	1997	42,487	2003	62,712
1992	44,865	1998	40,673	2004	1/ 70,457
1993	45,249	1999	45,054	2005	70,732
1994	44,175	2000	51,500		

1/ Revised from previous *Data Book*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer* (quarterly), *2006 Annual Yearbook Edition And 1st Quarter, 2006*, and records.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2003 TO 2005**

[Excludes U-drive/Fleet sales]

Nameplate	2003	2004	2005
Total	62,712	1/ 65,882	70,732
Toyota	14,118	15,018	2/ 17,512
Nissan	6,295	7,666	7,777
Honda	7,329	7,395	7,621
Ford	7,302	6,891	7,062
Chevrolet	3,917	4,072	4,692
Dodge	3,276	3,508	3,688
Mazda	3,037	2,893	2,865
Lexus	1,394	1,460	1,788
Hyundai	867	1,072	1,646
Mercedes	1,164	1,338	1,553
BMW	1,234	1,400	1,329
Kia	652	985	1,256
GMC	1,053	1,051	1,149
Jeep	726	755	974
Volkswagen	1,457	1,217	931
Acura	766	836	886
Chrysler	441	580	820
Saturn	1,119	831	754
All others	6,565	6,914	6,429

1/ In the *HawaiiDealer, 2006 Annual Yearbook Edition And 1st Quarter, 2006*, the 2004 total was revised to 70,457, but no revised nameplate figures were provided.

2/ Toyota/Scion.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer* (quarterly), *Annual Yearbook Edition; Yearbook Edition / First Quarter Edition 2005; 2006 Annual Yearbook Edition And 1st Quarter, 2006*.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY PLACE OF MANUFACTURE: 2003 TO 2005**

[Excludes U-drive/Fleet sales]

Type and place of manufacture	2003	2004 1/	2005
Total	62,712	70,457	70,732
Car	27,230	30,437	31,258
Light truck	35,482	40,020	39,474
Chrysler, Ford, General Motors	19,407	22,123	20,850
Japanese	35,912	39,879	41,148
European	5,874	6,200	5,832
Korean	1,519	2,255	2,902

1/ Revised from previous *Data Book*, according to *HawaiiDealer, 2006 Annual Yearbook Edition And 1st Quarter, 2006*.

Source: Hawaii Automobile Dealers Association, *HawaiiDealer* (quarterly), *Annual Yearbook Edition; Yearbook Edition / First Quarter Edition 2005; 2006 Annual Yearbook Edition And 1st Quarter, 2006*.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2005**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595
2002	814,668	560,222	110,561	46,840	97,045
2003	834,188	572,665	113,760	48,047	99,716
2004	843,876	577,507	116,486	48,967	100,916
2005	856,163	584,492	119,741	49,880	102,050

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE
AND SEX: 2004 AND 2005**

[As of December 31]

Years of age	Both sexes		Male		Female	
	2004	2005	2004	2005	2004	2005
Total	843,876	856,163	444,399	450,028	399,477	406,135
15 to 19	29,487	30,397	15,926	16,325	13,561	14,072
20 to 24	72,455	72,458	38,230	38,331	34,225	34,127
25 to 29	76,805	79,028	40,557	41,735	36,248	37,293
30 to 34	78,603	76,857	40,863	39,869	37,740	36,988
35 to 39	82,226	82,793	42,289	42,607	39,937	40,186
40 to 44	89,197	88,195	46,196	45,527	43,001	42,668
45 to 49	89,391	89,509	46,070	46,119	43,321	43,390
50 to 54	85,404	86,913	44,576	45,144	40,828	41,769
55 to 59	74,590	78,369	39,713	41,592	34,877	36,777
60 to 64	53,224	56,558	28,727	30,547	24,497	26,011
65 to 69	36,909	38,521	19,970	20,698	16,939	17,823
70 to 74	30,838	30,634	16,317	16,269	14,521	14,365
75 to 79	24,192	24,150	12,735	12,542	11,457	11,608
80 to 84	14,488	15,148	8,418	8,598	6,070	6,550
85 to 89	4,971	5,433	3,024	3,286	1,947	2,147
90 to 94	1,030	1,119	744	778	286	341
95 to 99	66	81	44	61	22	20

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1990 TO 2005, AND BY COUNTY, 2004 AND 2005

Year and county	Highway fuel consumption 1/		Vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1990	395,185	444	8,065.4	9,071
1991	406,819	453	8,142.2	9,075
1992	405,963	457	8,065.5	9,070
1993	409,940	468	7,945.3	9,063
1994	428,558	490	7,925.2	9,056
1995	422,884	482	7,944.1	9,051
1996	426,370	482	8,005.9	9,050
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
2004	498,816	463	9,734.6	9,042
2005	505,418	459	10,129.1	9,191
COUNTIES: 2004				
Honolulu	313,746	448	6,160.9	8,791
Hawaii	85,427	548	1,516.6	9,729
Kauai	30,997	456	699.4	10,287
Maui	68,646	452	1,357.7	8,941
COUNTIES: 2005				
Honolulu	317,433	436	6,260.3	8,593
Hawaii	88,959	541	1,651.2	10,043
Kauai	29,756	378	791.5	10,066
Maui	69,270	531	1,426.0	10,932

1/ Includes gasoline, diesel oil, and butane gas.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUMES AT SELECTED
OAHU SURVEY SITES: 2003 TO 2005**

Site	2003	2004	2005
Pali Highway at tunnels	45,851	46,783	48,793
Likelike Highway at tunnels	(NA)	(NA)	28,084
H-1 Freeway at Manoa-Palolo Drainage Canal	111,380	111,434	113,497
H-1 Freeway at Kapalama Drainage Canal Bridge	218,083	217,290	216,699
Nimitz Highway at Kapalama Drainage Canal Bridge	(NA)	77,719	61,380
Kalaniana'ole Highway east of Ainakoa Ave.	(NA)	83,915	85,900

NA Not available.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

**Table 18.19-- ROADWAY CONGESTION FOR THE HONOLULU
URBANIZED AREA: 2000 TO 2003**

Subject	2000	2001	2002	2003
Population (1,000)	695	700	700	700
Urban area (square miles)	140	140	140	140
Population density (persons/square mile)	4,964	5,000	5,000	5,000
Peak travelers (1,000)	359	367	372	376
Daily vehicle-miles of travel (1,000)				
Freeway	5,625	5,740	5,775	5,930
Principal arterial streets	1,905	1,850	1,890	1,855
Roadway system	11,300	11,650	11,815	12,215
Cost components				
Value of time (\$/hour)	12.85	13.25	13.45	13.75
Commercial cost (\$/hour)	68.00	69.95	71.05	72.65
Fuel cost (\$/gallon)	1.84	2.00	1.72	2.03
Annual delay (person-hours) 1/				
Total (1,000)	2/ 7,078	2/ 7,451	2/ 6,708	7,476
Per peak traveler 3/	20	20	18	20
Per person	10	11	10	11
Number of daily rush hours 4/	6.6	6.4	6.4	6.6
Annual excess fuel consumed 5/				
Total (million gallons)	2/ 4	2/ 5	2/ 4	5
Per peak traveler (gallons)	2/ 12	2/ 12	2/ 11	12
Per person (gallons)	2/ 6	2/ 6	2/ 6	6
Congestion cost 6/				
Total (\$ million)	2/ 114	2/ 124	2/ 112	129
Per peak traveler (\$)	2/ 316	2/ 337	2/ 301	342
Per person (\$)	2/ 164	2/ 177	2/ 160	184

1/ Travel time above that needed to complete a trip at free-flow speeds.

2/ Revised from previous *Data Book*.

3/ Extra travel time for peak period travel during the year divided by the number of travelers who begin a trip during the peak period (6 to 9 a.m. and 4 to 7 p.m.). Free-flow speeds (60 mph on freeways and 35 mph on principal arterials) are used as the comparison threshold.

4/ Time when system might have congestion.

5/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

6/ Value of travel time delay (estimated at \$13.45 per hour of person travel and \$71.05 per hour of truck time) and excess fuel consumption (estimated using state average cost per gallon).

Source: Texas Transportation Institute, *2005 Urban Mobility Study*, tables 2 and 4,

<http://mobility.tamu.edu/ums/congestion_data/national_congestion_tables.stm> and

<http://mobility.tamu.edu/ums/congestion_data/west_map.stm> accessed October 5, 2005.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 1995 TO 2005, AND BY COUNTY, 2003 TO 2005

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal	Injured only	Killed
1995	16,581	118	13,088	127
1996	13,285	132	11,729	145
1997	12,445	117	11,190	131
1998	11,543	113	10,303	120
1999	10,632	90	9,604	98
2000	11,111	116	9,887	133
2001	10,870	133	8,641	141
2002	10,663	116	8,950	120
2003	2/ 11,116	2/ 117	2/ 8,928	2/ 135
2004	(NA)	2/ 128	(NA)	142
2005	(NA)	129	(NA)	140
COUNTIES: 2003				
Honolulu	2/ 7,023	65	5,460	79
Hawaii	2/ 2,180	2/ 32	2/ 1,661	2/ 35
Kauai	2/ 768	5	558	5
Maui	1,145	15	1,249	16
COUNTIES: 2004				
Honolulu	2/ 6,937	2/ 65	2/ 5,326	2/ 70
Hawaii	(NA)	33	(NA)	41
Kauai	2/ 730	9	2/ 508	10
Maui	2/ 825	21	2/ 1,020	21
COUNTIES: 2005				
Honolulu	(NA)	72	(NA)	75
Hawaii	(NA)	33	(NA)	40
Kauai	(NA)	9	(NA)	10
Maui	(NA)	15	(NA)	15

NA Not available.

1/ Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death. Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, records.

**Table 18.21-- TRAFFIC FATALITIES AND HIGHEST BLOOD ALCOHOL CONCENTRATION (BAC)
IN THE CRASH: 2003 AND 2004**

[Blood alcohol concentration (BAC) is measured in grams per deciliter (g/dl), one deciliter = 1/10 liter. Totals may not equal sum of county totals due to independent rounding. Also, percentages as displayed are calculated from unrounded number of estimated fatalities and may not equal those calculated from the rounded numbers (especially for counties with very few fatalities)]

County	All fatalities	No alcohol BAC = 0.00		Highest blood alcohol concentration in crash					
				Total number	Percent	BAC = 0.01 - 0.07		BAC = 0.08 +	
		Number	Percent			Number	Percent	Number	Percent
2003									
State total	1/ 133	63	47	1/ 71	53	1/ 19	14	1/ 52	1/ 39
Hawaii	1/ 33	1/ 18	54	1/ 15	46	1/ 3	1/ 9	1/ 12	1/ 37
Honolulu	79	36	45	43	55	1/ 10	1/ 13	1/ 33	1/ 42
Kauai	5	3	1/ 60	2	1/ 40	2	40	-	1/ -
Maui	16	6	1/ 37	1/ 10	1/ 63	3	1/ 20	7	1/ 43
2004									
State total	187	137	73	50	27	9	5	41	22
Hawaii	53	36	67	17	33	2	4	15	29
Honolulu	88	70	80	18	20	3	3	15	17
Kauai	13	10	75	3	25	3	23	-	2
Maui	33	21	65	12	35	1	4	10	31

1/ Revised from previous *Data Book*.

Source: U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA), National Center for Statistics & Analysis (NCSA), Fatality Analysis Reporting System (FARS) Web-Based Encyclopedia <http://www-fars.nhtsa.dot.gov/finalreport.cfm?year=2003&stateid=15&title=States&title2=Alcohol&SpecialRpt=query1_county&SpecialRpt_lvl=2> accessed December 19, 2005.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY ISLAND:
2003 TO 2005**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2003	2004	2005	2003	2004	2005
Hawaii	160	158	180	1,957	1,223	1,485
Maui	217	3/ 291	250	1,493	3/ 1,750	1,709
Lanai	-	-	-	13	3/ 15	44
Molokai	-	-	-	24	3/ 21	35
Oahu	1,319	1,379	1,434	153,098	176,848	200,240
Kauai	-	-	-	294	264	437

NA Not available.

1/ Taxicabs are licensed annually, except in Kauai County where registration is not required.

Maui data are for the County of Maui. Oahu data are for fiscal year July 1 to June 30.

2/ Bicycles with wheels having a diameter of 20 inches or more and all mopeds, both of which were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially; see SLH 1988, Act 264, sec. 1.

3/ Revised from previous *Data Book*.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism. Data provided by the Department of Finance of the Counties of Hawaii, Maui and Kauai, and the Department of Customer Services of the City & County of Honolulu.

**Table 18.23-- PASSENGER CAR RENTAL AND LEASING
(NAICS 53211): 1997 AND 2002**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) System used in earlier Economic Censuses]

Subject	State total	Counties			
		Hawaii	Honolulu	Kauai	Maui
Number of establishments:					
1997	63	11	25	1/ (NA)	19
2002	64	13	19	10	22
Revenue (\$1,000):					
1997	347,624	45,172	154,679	1/ (NA)	104,759
2002	478,241	70,509	208,435	61,100	138,197

NA Not available.

1/ Revised from previous *Data Book* .

Source: U.S. Census Bureau, *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC97F53A-HI, (Aug. 1999), tables 1 and 3 <<http://www.census.gov/epcd/www/97EC53.HTM>>; *2002 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC02-53A-HI, (Dec. 2004), tables 1 and 3 <http://www.census.gov/econ/census02/guide/02EC_HI.HTM> accessed February 25, 2005.

**Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY:
2004 AND 2005**

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
2004					
State total	1,986	8,509	204,216	6,089	30,718
Hawaii	245	1,317	31,608	1,236	5,872
Maui	325	2,287	54,888	1,087	4,261
Honolulu	1,267	4,175	100,200	3,173	18,213
Kauai	149	730	17,520	593	2,372
2005					
State total	2,085	8,142	195,408	6,661	33,374
Hawaii	257	1,251	30,024	1,347	6,752
Maui	334	2,173	52,152	1,196	4,644
Honolulu	1,330	3,966	95,184	3,490	19,488
Kauai	164	752	18,048	628	2,490

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

Source: Compiled by Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.25-- PUBLIC TRANSIT, FOR OAHU: 1993 TO 2005

[As of June 30. Service provided by City and County of Honolulu bus system]

Year	Number of buses	Bus mileage 1/	Total passengers 2/	Revenues (dollars)
1993	470	18,120,044	75,557,318	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518
2002	525	21,800,354	73,524,474	30,602,648
2003	525	21,482,533	69,100,627	30,114,566
2004 3/	536	19,380,256	61,297,980	33,652,238
2005	525	21,558,149	67,406,827	39,925,419

1/ Estimated number of vehicle miles.

2/ Estimated number of passengers, including senior citizens and disabled.

3/ Bus strike for 34 days.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records.

**Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU:
1971 TO MAY 31, 2006**

[In dollars]

Effective date	One-way cash fare		Monthly pass	
	Adult 1/	Youth 2/	Adult 1/	Youth 2/
March 1, 1971	.25	.15	(X)	(X)
March 2, 1971	.25	.10	(X)	(X)
June 9, 1972 3/	.25, .50	.10, .25	(X)	(X)
March 15, 1974	.25	.10	(X)	(X)
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995	1.00	.50	25.00	12.50
July 1, 2001	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003 4/	2.00	1.00	40.00	20.00

X Not applicable.

1/ Adult means any person over the age of 17 who does not qualify as a "youth".

2/ "Youth" means a person 6 through 17 years of age, subject to the presentation of a valid identification card establishing the age of the person. The term includes high school students, up to 19 years of age, with a valid high school identification card establishing the age of the students and the student's current enrollment, but excludes college, university and vocational training students if over the age of 17.

3/ Zone fares initiated and later eliminated.

4/ Other fares. Annual pass, adult: \$440.00, youth: \$220.00.

Adult visitor pass: \$20.00 for a four consecutive day period.

Senior citizen. One-way fare: \$1.00 with valid TheBus senior card or valid US Medicare card; monthly pass: \$10.00 with valid State ID card, driver's license, birth certificate or passport; monthly pass sticker: \$5.00 with valid TheBus senior card; annual pass or renewal sticker: \$30.00 with approved application.

Person with a disability. One-way fare: \$1.00 with valid disability bus pass or valid US Medicare card; monthly pass: \$10.00 with approved application or valid US Medicare card; monthly pass sticker: \$5.00 with valid disability bus pass; annual pass or renewal sticker: \$30.00 with approved application or valid US Medicare card.

FootballExpress. One-way fare: \$3.00, roundtrip fare: \$6.00.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records; TheBus Oahu Transit Services, Inc.

<<http://www.thebus.org/Fare/FarePasses.asp>> accessed May 31, 2006.

**Table 18.27-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1987 TO 2005**

[The Lahaina Kaanapali & Pacific Railroad operates between Lahaina and Kaanapali on the island of Maui and the Hawaiian Railway operates in the Ewa District on the island of Oahu]

Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway		Calendar year	Lahaina Kaanapali & Pacific Railroad		Hawaiian Railway	
	Miles of track	Passengers	Miles of track	Passengers		Miles of track	Passengers	Miles of track	Passengers
1987	6.0	244,555	(NA)	(NA)	1997	6.0	369,327	6.5	20,850
1988	6.0	285,139	(NA)	(NA)	1998	6.0	(NA)	6.5	19,763
1989	6.0	296,391	(NA)	(NA)	1999	6.0	281,161	7.0	14,733
1990	6.0	308,910	(NA)	(NA)	2000	(NA)	(NA)	7.0	13,962
1991	6.0	316,079	(NA)	(NA)	2001	(NA)	(NA)	7.0	14,982
1992	6.0	385,261	(NA)	(NA)	2002	(NA)	(NA)	7.0	17,882
1993	6.0	388,484	(NA)	(NA)	2003	(NA)	(NA)	7.0	15,970
1994	6.0	390,862	5.0	1/ 12,821	2004	(NA)	(NA)	7.0	15,013
1995	6.0	447,211	6.5	16,704	2005	(NA)	(NA)	7.0	16,069
1996	6.0	418,099	6.5	19,678					

NA Not available.

1/ Data incomplete.

Source: Lahaina Kaanapali & Pacific Railroad, records; Hawaiian Railway, records.

**Table 18.28-- AIRPORTS AND HELIPORTS, BY CONTROL,
BY ISLAND: 2003 AND 2004**

[As of December 31]

Island	Airports 1/				Heliports 2/	
	State 3/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
2003						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-
2004						
State total	9	7	6	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	4	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Excludes military and private heliports.

3/ Three airports classified as general aviation fields (Waimea-Kohala, Hana, and Kalaupapa) provide regular air service.

4/ Owned by the U.S. Department of the Interior, Fish and Wildlife Service.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.29-- HONOLULU INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2004

[Fiscal year ending June 30]

Year	Aircraft operations 1/	Enplaned passengers 2/	Rank 3/
2000	237,188	10,815,367	23
2001	231,388	10,150,357	24
2002	219,286	9,108,574	25
2003	213,995	9,148,533	24
2004	217,151	9,250,413	25

1/ Include itinerant air carrier and air taxi only.

2/ Include air carrier, commuter and international.

3/ Ranking of top 100 FAA towers by total enplanements, 1 is highest number.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary Fiscal Years 2001-2015*, FAA-APO-01-7 (December 2001); *Fiscal Years 2002-2020*, FAA-APO-03-2 (April 2003); *Fiscal Years 2003-2020*, FAA-APO-04-1 (March 2004); *Fiscal Years 2004-2020*, FAA-APO-05-1 (March 2005), table S-4 <<http://www.api.faa.gov/pubs.asp?Lev2=1>> accessed May 11, 2005; *Fiscal Years 2005-2025*, FAA-APO-06-1 (March 2006), table S-4 <http://www.faa.gov/data_statistics/aviation/taf_reports> accessed July 13, 2006.

Table 18.30-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2003 TO 2005

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
2003					
Honolulu International	301,919	165,406	46,012	74,293	16,208
Kahului	151,558	47,295	76,261	24,169	3,833
Kona International	119,210	22,317	14,524	66,798	15,571
Lihue	97,576	23,833	48,767	19,961	5,015
Hilo International	99,415	12,829	47,774	28,163	10,649
Molokai	40,944	656	27,116	11,450	1,722
Kalaeloa	116,160	-	1,162	141,397	23,601
2004					
Honolulu International	320,520	174,944	57,567	70,974	17,035
Kahului	160,552	50,729	80,563	25,543	3,717
Kona International	137,918	22,147	20,903	80,227	14,641
Lihue	104,506	24,961	50,538	24,008	4,999
Hilo International	107,880	14,408	53,004	31,710	8,758
Molokai	36,757	424	24,321	10,702	1,310
Kalaeloa	140,736	146	942	122,276	17,372
2005					
Honolulu International	330,506	183,121	65,728	66,852	14,805
Kahului	168,449	59,210	77,844	27,326	4,069
Kona International	154,967	22,497	22,536	92,792	17,142
Lihue	107,497	27,220	54,987	19,639	5,651
Hilo International	108,462	16,617	54,036	27,843	9,966
Molokai	39,364	-	26,349	10,977	2,038
Kalaeloa	164,948	187	2,617	142,031	20,113

Source: Hawaii State Department of Transportation, Airports Division, records, *Airport Activity Statistics Calendar Year 2003* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed May 17, 2005.

**Table 18.31-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2005**

[An aircraft operation is an aircraft arrival or departure]

Year	Honolulu International Airport	Hilo International Airport 1/	Kona International Airport 2/	Kahului Airport	Lihue Airport	Molokai Airport
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806
2002	323,726	97,540	123,704	157,868	102,426	43,065
2003	301,919	99,415	119,210	151,558	97,576	40,944
2004	320,520	107,880	137,918	160,552	104,506	36,757
2005	330,506	108,462	154,967	168,449	107,497	39,364

1/ Formerly General Lyman Field; new name became effective July 1, 1989.

2/ Formerly Keahole Airport; effective June 16, 1997, the new name is The Kona International Airport at Keahole.

Source: Hawaii State Department of Transportation, Airports Division, records; *Airport Activity Statistics Calendar Year* <<http://www.hawaii.gov/dot/airports/publications/cysmallone.pdf>> accessed June 18, 2006.

**Table 18.32-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS
SERVING HAWAII: 1996 TO 2005**

[As of June 30. Includes both scheduled and nonscheduled service,
and also commuter lines and other air taxi service]

Service	1996	1997	1998	1999	2000
All carriers	39	40	40	43	45
Transpacific only	24	25	27	29	27
Domestic	12	12	12	12	11
Foreign	12	13	15	17	16
Transpacific and interisland	5	6	4	4	5
Interisland only	10	9	9	10	13
Passenger carriers	6	6	5	6	7
Cargo and mail only	4	3	4	4	6
Service	2001	2002	2003	2004	2005
All carriers	46	47	46	45	45
Transpacific only	26	27	28	26	27
Domestic	11	11	12	10	11
Foreign	15	16	16	16	16
Transpacific and interisland	5	7	5	7	6
Interisland only	15	13	13	12	12
Passenger carriers	7	7	7	7	7
Cargo and mail only	8	6	6	5	5

Source: Hawaii State Department of Transportation, Airports Division, records;
2004 and 2005 data from Official Airline Guide, records; calculations by the Hawaii State
Department of Business, Economic Development & Tourism.

**Table 18.33-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR
ARRIVING FLIGHTS: 2003 TO 2005**

[Non-stop flights only, does not include charter flights]

Airport	2003	2004	2005
State of Hawaii	8,557,770	9,317,245	10,023,606
Honolulu International	6,349,083	6,817,343	7,229,731
Kahului	1,444,386	1,590,819	1,852,814
Kona International	482,371	596,376	604,930
Lihu'e	281,930	312,707	336,131
Domestic	5,951,644	6,576,993	7,172,245
International	2,606,126	2,740,252	2,851,361

Source: Official Airline Guide, *FlightDisk Worldwide Edition* .

Table 18.34-- CIVIL FLYING: 1990 TO 1993 and 1996

Item	1990	1991	1992	1993	1996
Aircraft facilities, Dec. 31	50	48	47	47	46
Airports	34	33	32	32	30
Heliports	16	15	15	15	16
Public aircraft facilities, Dec. 31	16	17	17	18	18
Paved and lighted facilities, Dec. 31	12	12	13	13	13
Large aircraft in operation, Dec.	52	56	59	50	(NA)
Aloha Airlines	17	19	21	17	(NA)
Hawaiian Airlines	35	29	29	24	(NA)
Mid Pacific Airlines	-	8	9	9	(NA)
General aviation: 1/					
Active civil aircraft, Dec. 31	561	484	372	312	364
Hours flown (1,000)	278	259	176	140	155
Active personnel, Dec. 31:					
Pilots, except instructors	3,505	3,339	3,293	3,088	2,561
Flight instructors	309	350	388	360	378
Nonpilot airmen 2/	3,306	3,492	3,711	3,828	3,850

NA Not available.

1/ Aircraft based in Hawaii. Data based on small samples with large standard errors (in 1996, 34.6 percent for aircraft and 52.3 percent for hours).

2/ Mechanics, parachute riggers, ground instructors, dispatchers, flight navigators, and flight engineers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *FAA Statistical Handbook of Aviation* (annual).

**Table 18.35-- SELECTED STATISTICS FOR ALOHA AND HAWAIIAN
AIRLINES: 2003 AND 2004**

Subject	Aloha Airlines		Hawaiian Airlines	
	2003	2004	2003	2004
Operating aircraft (year-end)	25	27	26	25
Employees (full-time equivalents)	2,477	2,512	2,966	3,090
Revenue aircraft departures 1/	58,482	57,796	50,416	49,271
Revenue passengers enplaned (1,000) 2/	4,119	4,182	5,597	5,585
Revenue passenger miles (million) 2/	1,968	2,323	5,560	6,141
Cargo revenue ton miles (million)	10	9	79	86
Revenues (\$million)				
Passenger 2/	340	384	627	700
Operating	393	434	706	785
Profit/loss (\$million)				
Operating	(8)	(24)	60	76
Net	1	(30)	(48)	(69)

1/ 'Aircraft departures' for 2003.

2/ Scheduled service only.

Source: Air Transport Association, *2004 Economic Report*, p. 22; *2005 Economic Report*, p. 23
<<http://www.airlines.org/econ/d.aspx?nid=8156>> accessed April 24, 2006.

Table 18.36-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 1999 TO 2004

[Includes all commercial airports in a metropolitan area. Outbound plus inbound; does not include connecting passengers.]

Rank	Origin or destination	Passengers (1,000)
1999		
7	Honolulu - Kahului	2,691
16	Honolulu - Lihue	1,749
22	Honolulu - Kona	1,459
26	Honolulu - Los Angeles	1,389
2000		
8	Honolulu - Kahului	2,607
16	Honolulu - Lihue	1,733
24	Honolulu - Kona	1,466
2001 1/		
6	Honolulu - Kahului	2,120
13	Honolulu - Lihue	1,528
21	Honolulu - Kona	1,218
25	Honolulu - Hilo	1,132
2002 1/		
6	Honolulu - Kahului	2,019
13	Honolulu - Lihue	1,430
20	Honolulu - Kona	1,263
25	Honolulu - Hilo	1,103
2003 1/		
6	Honolulu - Kahului	1,791
21	Honolulu - Lihue	1,220
24	Honolulu - Kona	1,165
2004 1/		
13	Honolulu - Kahului	1,632

1/ Top 25 domestic airline markets.

Source: Air Transport Association, *Economic Report* (annual)

<<http://www.airlines.org/econ/d.aspx?nid=8156>> accessed April 24, 2006.

**Table 18.37-- OVERSEAS AND INTER-ISLAND AIR PASSENGER
MOVEMENTS: 1988 TO 2005**

[Data include both revenue and non-revenue passengers]

Year	Overseas passengers 1/		Honolulu transit	Inter-island passengers
	Arrivals	Departures		
1988	6,653,346	6,713,621	1,421,707	8,964,928
1989	7,022,986	7,234,653	1,167,954	9,634,077
1990	7,310,635	7,562,156	1,065,408	9,907,154
1991	7,135,595	7,215,323	1,020,464	9,368,576
1992	7,248,645	7,087,463	1,318,044	9,568,434
1993	6,924,571	6,907,236	1,298,684	9,345,320
1994	7,309,894	7,478,052	956,926	9,920,709
1995	7,517,273	7,692,494	750,495	10,388,281
1996	7,700,229	7,992,620	690,833	10,581,825
1997	7,788,367	7,874,798	706,030	10,448,099
1998	7,576,988	7,728,768	466,807	10,075,448
1999	7,699,676	7,737,494	376,236	10,173,069
2000	7,981,640	7,959,325	407,359	10,378,775
2001	7,270,532	7,263,415	275,853	9,169,182
2002	7,414,344	7,370,010	232,806	8,587,568
2003	7,492,272	7,472,568	125,253	7,820,545
2004	8,033,491	8,058,756	175,507	7,713,639
2005	8,730,582	8,749,733	100,172	7,867,937

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo. Includes passengers from the West Coast, Canada, Europe, and the Central and South Pacific.

Source: Hawaii State Department of Transportation, Airports Division, records; *Airport Activity Statistics Calendar Year 2003*.

Table 18.38-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2004

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	8,058,756	8,033,491	152,272	201,501	27,665	44,034
Honolulu	6,012,555	5,912,484	136,151	190,946	26,302	43,963
Kahului	1,399,326	1,385,655	7,138	7,718	710	69
Kona 3/	379,462	461,170	8,983	2,678	652	2
Lihue	267,413	274,182	-	159	-	-
INTERISLAND						
Total	7,713,639	7,713,639	72,682	72,682	20,998	20,998
Honolulu	3,593,639	3,679,869	49,487	20,895	16,725	4,088
Kahului	1,360,401	1,359,462	5,833	16,688	1,459	8,489
Kona 3/	941,633	871,297	4,171	9,744	665	4,032
Lihue	995,349	985,894	3,226	10,131	694	1,713
Hilo	615,860	607,262	9,296	13,099	812	2,063
Waimea-Kohala	2,942	2,629	-	2	381	502
Hana	3,553	3,342	12	40	-	-
Kapalua	50,053	52,528	213	367	-	-
Molokai	95,113	96,924	380	758	54	14
Kalaupapa	5,736	5,028	14	218	5	11
Lanai	49,310	49,329	50	741	203	87
Princeville 4/	50	75	-	-	-	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (175,507 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.39-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2005

Airport	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Enplaned	Deplaned	Enplaned	Deplaned	Enplaned	Deplaned
OVERSEAS						
Total	8,749,733	8,730,582	149,190	204,978	30,176	50,831
Honolulu	6,427,146	6,325,587	133,610	194,533	28,676	50,768
Kahului	1,561,924	1,570,159	8,003	6,672	706	6
Kona 3/ Lihue	486,730	549,494	7,576	3,569	794	57
	273,933	285,342	-	204	-	-
INTERISLAND						
Total	7,867,937	7,867,937	72,477	72,477	24,222	24,222
Honolulu	3,616,328	3,710,398	48,786	22,635	18,030	5,796
Kahului	1,388,108	1,372,828	4,653	14,702	1,513	8,748
Kona 3/ Lihue	994,638	918,706	3,797	9,535	1,033	4,186
	1,004,761	997,288	3,013	10,535	964	2,255
Hilo	650,486	650,250	11,491	12,602	1,270	2,444
Waimea-Kohala	2,324	2,476	-	1	760	666
Hana	4,117	3,485	8	31	169	-
Kapalua	53,842	56,836	269	612	-	-
Molokai	97,199	99,643	333	798	85	-
Kalaupapa	6,697	6,139	11	202	6	20
Lanai	49,328	49,794	117	826	294	108
Princeville 4/	109	94	-	-	99	-

1/ Revenue and non-revenue, excluding Military Airlift Command (MAC).

2/ Excludes overseas passengers in transit (100,172 passing through Honolulu International Airport).

3/ Formerly Keahole Airport.

4/ Leased by the State of Hawaii.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.40-- AIR CARGO AND AIRMAIL: 1989 TO 2005

Calendar year	Overseas air cargo (in thousands of pounds)		Overseas airmail (in thousands of pounds)		Interisland (in thousands of pounds)	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
1989	313,402	301,674	28,258	33,542	146,960	20,706
1990	295,326	337,724	32,022	38,198	145,418	22,848
1991	306,376	342,032	33,658	44,281	144,104	23,673
1992	305,224	305,658	39,268	66,052	153,912	25,594
1993	307,302	255,516	52,324	112,970	147,054	26,406
1994	339,086	308,962	47,921	121,964	148,904	27,964
1995	336,764	276,416	49,056	118,098	149,174	27,646
1996	355,466	296,856	48,654	114,408	160,784	29,572
1997	424,990	363,598	51,212	110,336	173,154	31,272
1998	508,858	311,196	56,902	107,039	140,034	40,548
1999	414,678	359,426	61,410	110,975	138,368	47,786
2000	359,762	320,502	59,480	110,396	142,380	60,768
2001	242,956	204,588	50,680	102,582	150,074	42,866
2002	320,952	335,252	51,492	98,266	148,104	30,138
2003	392,530	368,656	72,564	93,030	146,188	34,916
2004	304,544	403,002	55,330	88,069	145,364	41,995
2005	298,381	409,956	60,351	101,662	144,955	48,445

Source: Hawaii State Department of Transportation, Airports Division, records.

**Table 18.41-- NON-STOP FLIGHTS TO DEPART STATE OF HAWAII,
BY DESTINATION: JULY 2005**

[Transpacific flights to depart from the State of Hawaii during a one-week period,
including scheduled and chartered flights]

Destination	Flights during week	Destination	Flights during week
Transpacific	903	Canada	20
		Vancouver	20
U.S.	710	Japan	123
West	599	Fukuoka	7
Anchorage	3	Nagoya	14
Denver	9	Osaka	28
Las Vegas	20	Tokyo-Narita	74
Los Angeles	232	Other Asia	10
Oakland	29	Seoul	4
Orange County	35	Taiwan	6
Phoenix	21	Australia / New Zealand	17
Portland	17	Auckland	3
San Diego	28	Sydney	14
San Francisco	148	Other	22
San Jose	1	Apia	1
Sacramento	14	Guam	8
Salt Lake City	14	Manila	3
Seattle	28	Nadi	2
East	111	Pago Pago	3
Atlanta	14	Papeete	1
Chicago	28	Majuro	4
Cincinnati	7		
Dallas	21		
Houston	20		
Minneapolis	14		
Newark	7		

Source: Official Airline Guide, records; calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.42-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY
HAWAIIAN AIRLINES: 2001 TO 2005**

[As of July 1]

Category	2001	2002	2003	2004	2005
Regular fare	95.25	99.00	119.00	133.10	157.70
Lowest capacity-controlled fare	1/ 65.25	1/ 69.00	69.00	89.10	104.70

1/ Kamaaina fare, Monday - Thursday; Friday - Sunday, \$68.25 for 2001 and \$72.00 for 2002.
Source: Hawaiian Airlines, records.

**Table 18.43-- AIR FARES BETWEEN HONOLULU AND LOS ANGELES,
SAN FRANCISCO, AND SEATTLE, FOR UNITED AIRLINES:
2004 AND 2005**

[Weekdays, in dollars. Additional charges are as follows. Tickets purchased through United reservation offices are \$5 per ticket higher and tickets purchased at airport ticket counters are \$10 per ticket higher. Fares purchased through other distribution channels may also be higher. Fares do not include the September 11th security fee of up to \$10 maximum per roundtrip or passenger facility charges of up to \$18, which may be collected depending on the itinerary. Fares do not include a \$7.00 (each way) departure tax]

Fare category	Los Angeles	San Francisco	Seattle
2004 1/			
One-way			
First class	1,201	1,251	1,444
Coach	714	714	796
Round-trip			
First class	2,402	2,502	2,888
Coach	1,428	1,428	1,592
Lowest round-trip (with restrictions)	576	576	716
2005 2/			
One-way			
First class	1,216	1,216	1,459
Coach	829	829	911
Round-trip			
First class	2,432	2,432	2,918
Coach	1,615	1,658	1,822
Lowest round-trip (with restrictions)	507	506	510

1/ As of May 3.

2/ As of June 2.

Source: United Airlines, records.

Table 18.44-- STATE COMMERCIAL HARBORS: 2005

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet)	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded	Open
Hawaii:							
Hilo	35	35	2,300	1,400	2,669	122	762
Kawaihae	40	35	1,500	1,450	1,562	23	558
Maui:							
Kahului	35	35	2,400	2,050	3,319	87	1,290
Molokai:							
Kaunakakai	23	23	1,500	600	691	7.4	125
Lanai:							
Kaunapali	60	20-60	(NA)	(NA)	400	-	100
Oahu:							
Honolulu	} 45	40	{ 3,300	1,520	} 29,872	1,447	8,935
Main							
Kapalama	} 42	38	{ 3,400	1,000	} 2,990	36	1,838
Barbers Point							
Kauai:							
Nawiliwili	40	35	1,950	1,540	1,916	76	1,372
Port Allen	35	35	1,500	1,200	1,200	35	32

NA Not available.

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.45-- HARBOR DEPTHS: 2004

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	(NA)	34	(NA)	35
Kawaihae	42	36	40	35
Kahului	(NA)	34	(NA)	35
Barbers Point	42	37	42	1/ 38
Honolulu	45	2/ 40	45	3/ 40
Nawiliwili	4/ 41	34	40	35

NA Not available.

1/ 21 feet in light-draft harbor basin.

2/ 40 feet in Kapalama Basin and in connecting channel.

3/ 40 feet in connecting channel, 23 feet in Kalihi channel.

4/ Outer and inner channel.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2004*, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii,

**Table 18.46-- SMALL CRAFT MOORING FACILITIES,
BY ISLAND: DECEMBER 31, 2004**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,763	1,635	186	166	508	306
Hawaii	326	319	-	-	-	15
Maui	188	187	-	-	150	105
Oahu	1,133	1,019	170	150	246	172
Kauai	116	110	16	16	112	14

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.47-- SMALL CRAFT MOORING FACILITIES,
BY ISLAND: DECEMBER 31, 2005**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,763	1,635	186	166	508	306
Hawaii	326	319	-	-	-	15
Maui	188	187	-	-	150	105
Oahu	1,133	1,019	170	150	246	172
Kauai	116	110	16	16	112	14

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Small Craft Mooring Facilities Utilization Report* (quarterly).

**Table 18.48-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND:
DECEMBER 2005**

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above--	
	By control			Light-houses		Sea level (feet)	Ground (feet)
	Total	Federal	Other 1/				
Total	850	448	385	17	2/ 25	3/ 931	4/ 138
Hawaii	80	57	17	6	24	156	115
Maui	66	26	38	2	15	186	48
Molokini	1	1	-	-	7	182	30
Kahoolawe	1	1	-	-	7	120	20
Lanai	16	9	7	-	8	91	13
Molokai	21	11	9	1	21	321	138
Oahu	233	158	71	4	25	931	71
Kauai	54	28	22	4	24	174	80
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	-
Midway	19	19	-	-	-	51	38
At sea	358	137	221	-	-	-	-

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Kaena Point Light and Kilauea Light.

3/ Kaena Point Light.

4/ Molokai Light.

Source: United States Coast Guard, Fourteenth Coast Guard District, records.

**Table 18.49-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2004**

Subject	Number	Subject	Number
Registered vessels	17,130	Type of vessel:	
Length:		Aux. powered sailing vessel	1,111
Under 16 feet	6,533	Cabin motorboat	2,586
16 to less than 26 feet	8,772	Open motorboat	6,019
26 to less than 40 feet	1,616	Runabout	2,718
40 to 65 feet	191	Sail only	735
Over 65 feet	18	Motor vessel over 65 feet in length	5
Hull material:		Thrill craft	1,818
Aluminum	560	Other	2,138
Fiberglass / plastic	14,799	Uses:	
Rubber / fabric	875	Pleasure	14,622
Wood	681	Commercial fishing	402
Other	174	Charter fishing	14
Steel	41	Commercial passenger	240
Propulsion:		Other commercial	163
Inboard	2,974	Livery	222
Outboard	7,607	Dealer	26
Inboard / outboard	2,384	Manufacturer	4
Sail / inboard	608	Youth group - fee exempt	92
Sail / outboard	585	Government - fee exempt	316
Sail only	721	Other	1,029
Manual	258	Island where vessel is kept:	
Other	75	Hawaii	2,731
Waterjet	1,918	Kauai	1,713
Mooring location:		Lanai	90
Moored on water	3,653	Maui	2,079
Moored on land	12,452	Molokai	241
Not disclosed	1,025	Oahu	9,251
		Not disclosed	1,025

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual).

**Table 18.50-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2005**

Subject	Number	Subject	Number
Registered vessels	15,302	Type of vessel:	
Length:		Aux. powered sailing vessel	1,067
Under 16 feet	5,940	Cabin motorboat	2,509
16 to less than 26 feet	7,367	Open motorboat	5,626
26 to less than 40 feet	1,695	Runabout	2,456
40 to 65 feet	251	Sail only	621
Over 65 feet	49	Motor vessel over 65 feet in length	5
Hull material:		Thrill craft	1,838
Aluminum	483	Other	1,180
Fiberglass / plastic	12,937	Uses:	
Rubber / fabric	725	Pleasure	13,749
Wood	745	Commercial fishing	383
Other	153	Charter fishing	17
Steel	69	Commercial passenger	244
Unknown	190	Other commercial	150
Propulsion:		Livery	172
Inboard	2,432	Dealer	20
Outboard	6,839	Manufacturer	3
Inboard / outboard	1,995	Youth group - fee exempt	57
Sail / inboard	612	Government - fee exempt	262
Sail / outboard	515	Other	245
Sail only	553	Island where vessel is kept:	
Manual	176	Hawaii	2,555
Other	71	Kauai	1,585
Unknown	190	Lanai	80
Waterjet	1,919	Maui	1,828
Mooring location:		Molokai	213
Moored on water	2,923	Oahu	8,016
Moored on land	11,354	Not specified	1,025
Not disclosed	1,025		

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual).

**Table 18.51-- NUMBERED VESSELS REGISTERED IN HAWAII:
1997 TO 2005**

[Non-documented numbered vessels registered with the Hawaii State Department of Land & Natural Resources, Division of Boating & Ocean Recreation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered. As of December 31]

Year	Number of vessels	Year	Number of vessels
1997	15,138	2002	15,445
1998	15,138	2003	15,587
1999	15,481	2004	17,130
2000	14,874	2005	15,302
2001	14,273		

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Report of Undocumented Vessel Registration* (annual).

Table 18.52-- BOATING ACCIDENTS: 1991 TO 2005

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
1991	19	3	5	14	19	189.5
1992	19	(NA)	3	5	(NA)	472.4
1993	19	3	3	4	25	219.4
1994	25	3	4	9	28	256.9
1995	91	(NA)	18	(NA)	(NA)	(NA)
1996	46	(NA)	3	(NA)	(NA)	(NA)
1997	43	(NA)	3	(NA)	(NA)	(NA)
1998	42	(NA)	4	(NA)	(NA)	(NA)
1999	26	1	1	11	(NA)	(NA)
2000	22	2	2	11	22	244.8
2001	19	3	3	5	18	46.0
2002	22	2	2	7	24	118.0
2003	30	1	1	10	38	82.3
2004	24	1/ 5	5	6	32	107.2
2005	22	4	4	7	24	35.9

NA Not available.

1/ Only two are termed U.S. Coast Guard reportable.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics 1991 through 1993*; records.

Table 18.53-- VESSEL ARRIVALS, BY DRAFT: 2003 AND 2004

[Excludes domestic fishing craft]

Harbor	2003			2004		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	1,159	1,018	141	937	780	157
Kawaihae	863	862	1	835	835	-
Kahului	1,499	1,292	207	1,417	1,292	125
Barbers Point	1,665	1,596	69	1,415	1,331	84
Honolulu	5,690	4,853	837	4,474	3,706	768
Nawiliwili	853	741	112	732	600	132
Kalaupapa 1/	4	4	-	1	1	-
Kaunakakai 2/	538	538	-	317	317	-
Port Allen 3/	35	35	-	33	33	-

1/ 14 feet and less.

2/ For 2003, 21 feet and less; for 2004, 17 feet and less.

3/ For 2003, 14 feet and less; for 2004, 16 feet and less.

Source: U.S. Army Corps of Engineers, Navigation Data Center, *Waterborne Commerce of the United States Calendar Year 2003, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels*; *Waterborne Commerce of the United States Calendar Year 2004, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 28, 2006.

Table 18.54-- SHIP ARRIVALS AND CARGO TONNAGE AT THE PORT OF HONOLULU: 1985 TO 2005

[Cargo tonnage in short tons, based on wharfage/tariff. Fiscal years ending June 30]

Year	Overseas vessels		Inter-island vessels	
	Number	Cargo tonnage	Number	Cargo tonnage
1985	1,749	5,071,250	2,412	1,884,925
1986	1,825	5,379,135	2,697	2,121,858
1987	2,080	5,736,005	2,848	2,135,235
1988	2,014	6,586,749	3,172	2,746,776
1989	2,024	6,877,963	3,101	2,892,709
1990	2,159	7,439,568	3,212	2,917,984
1991	2,066	6,939,735	3,190	3,962,085
1992	2,104	8,235,947	3,207	3,101,050
1993	1,918	7,462,619	2,440	2,731,645
1994	1,603	6,434,257	2,737	2,372,971
1995	1,790	6,064,842	2,996	2,096,597
1996	1,650	6,150,398	2,831	2,349,354
1997	1,604	6,244,158	2,679	2,312,266
1998	1,320	6,732,716	4,309	1,765,496
1999	1,262	5,721,503	2,249	1,730,662
2000	1,292	6,325,580	2,215	1,872,074
2001	1,295	6,467,388	2,280	1,863,218
2002	1,270	6,425,288	2,663	1,796,910
2003	1,169	(NA)	2,521	(NA)
2004	1,133	1/ 6,671,523	2,418	2/ 1,892,904
2005	1,121	2/ 7,013,833	2,580	2/ 2,212,657

NA Not available.

1/ Revised from previous *Data Book*. Does not include tonnage for the bunkering category, that is fuel for the use of the vessel to which the fuel is delivered.

2/ Does not include tonnage for the bunkering category, that is fuel for the use of the vessel to which the fuel is delivered.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.55-- CRUISE SHIP PASSENGER ARRIVALS AND DEPARTURES,
FOR HONOLULU HARBOR: 2000 TO 2005**

[Fiscal years ending June 30. Includes cruise ships from out-of-state
and cruise ships home-ported in Hawaii]

Type of passenger	2000	2001	2002	2003	2004	2005
In	84,337	96,299	150,744	222,139	177,701	250,620
Out	84,728	118,738	165,828	219,038	175,382	253,217

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.56-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2004**

[In 1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
1993	1,469	655	2,216	9,357	10,595	1,283
1994	1,455	736	2,368	9,022	11,672	1,151
1995	1,354	873	2,586	8,233	11,545	1,130
1996	1,442	969	2,828	8,745	12,010	1,203
1997	1,489	980	2,895	8,162	12,704	1,091
1998	1,630	886	2,851	6,658	13,723	938
1999	1,701	1,090	3,513	8,707	12,259	1,348
2000	1,651	1,310	3,477	6,778	15,501	1,581
2001	1,680	1,378	3,695	6,079	16,562	1,478
2002	1,765	1,645	3,458	5,990	16,636	1,619
2003	1,850	1,801	3,778	5,930	17,836	1,721
2004	1,850	2,277	3,901	6,086	19,085	1,757

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2004, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed June 28, 2006.

**Table 18.57-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2004**

[In 1,000 short tons]

Category	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
All freight traffic	1,850	2,277	3,901	6,086	19,085	1,757
Foreign						
Inbound	1/ 74	-	67	2/ 2,395	3/ 5,312	-
Outbound	4	-	-	234	4/ 569	-
Canadian						
Inbound	-	-	-	-	4	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,772	2,277	3,833	3,456	13,027	1,757
Receipts	1,216	1,463	2,448	2,136	7,024	1,072
Shipments	555	815	1,385	1,320	6,003	685
Internal & intraport	-	-	-	1	175	-

1/ Includes 7,701 tons of in-transits.

2/ Includes 250 tons of in-transits.

3/ Includes 4,262 tons of in-transits.

4/ Includes 95 tons of in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2004, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wcsc/wcsc.htm>> accessed June 28, 2006.

**Table 18.58-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2004**

[In 1,000 short tons]

Port and commodity	All freight traffic	Coastwise	
		Receipts	Shipments
Hilo	1,850	1/ 1,290	2/ 559
Petroleum and petroleum products	331	1/ 323	9
Primary manufactured goods	909	1/ 501	2/ 408
Food and farm products	169	1/ 121	2/ 48
Manufactured equipment, machinery and products	316	1/ 240	75
Kawaihae	2,277	1,463	815
Primary manufactured goods	1,610	1,021	589
Food and farm products	280	138	141
Manufactured equipment, machinery and products	324	255	69
Kahului	3,901	3/ 2,515	1,385
Petroleum and petroleum products	482	3/ 472	10
Primary manufactured goods	2,097	3/ 1,228	868
Food and farm products	485	211	274
Manufactured equipment, machinery and products	626	403	223
Barbers Point	6,086	1/ 4,531	4/ 1,555
Petroleum and petroleum products	4,771	1/ 3,457	4/ 1,314
Primary manufactured goods	518	1/ 327	2/ 190
Honolulu	19,085	5/ 12,340	6/ 6,747
Petroleum and petroleum products	5,697	5/ 5,087	6/ 610
Primary manufactured goods	6,186	1/ 2,857	7/ 3,330
Food and farm products	2,235	1/ 1,330	7/ 905
Manufactured equipment, machinery and products	4,010	1/ 2,572	7/ 1,438
Nawiliwili	1,757	1,072	685
Primary manufactured goods	1,113	638	475
Food and farm products	211	96	115
Manufactured equipment, machinery and products	301	209	92

Continued on next page.

**Table 18.58-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES,
FOR SPECIFIED HARBORS: 2004 -- Con.**

- 1/ Includes foreign inbound and in-transits.
- 2/ Includes foreign outbound.
- 3/ Includes foreign inbound.
- 4/ Includes foreign outbound, and internal and intraport.
- 5/ Includes foreign inbound and in-transits, and Canadian inbound.
- 6/ Includes foreign outbound and in-transits, and internal & intraport.
- 7/ Includes foreign outbound and in-transits.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2004, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<http://www.iwr.usace.army.mil/ndc/wsc/wsc.htm>> accessed June 28, 2006.

**Table 18.59-- TRANSPORTATION AND WAREHOUSING
(NAICS 48-49): 2002**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

NAICS code	Kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
48-49	Transportation and warehousing 1/	771	1,293,826	487,193	16,177
481	Air transportation 2/	33	186,379	29,101	901
483	Water transportation	22	82,825	22,205	466
484	Truck transportation	196	279,425	95,065	3,046
485	Transit and ground passenger transportation	92	112,922	97,080	3,585
487	Scenic and sightseeing transportation	170	280,745	78,991	3,555
488	Support activities for transportation	160	223,407	98,885	2,505
492	Couriers and messengers	51	99,590	36,555	1,154
493	Warehousing and storage	47	28,533	29,311	965

1/ Data do not include large certificated passenger carriers that report to the Office of Airline Information, U.S. Department of Transportation. Railroad transportation and U.S. Postal Service are out of scope for the 2002 Economic Census.

2/ Data do not include large certificated passenger carriers that report to the Office of Airline Information, U.S. Department of Transportation.

Source: U.S. Census Bureau, *2002 Economic Census, Transportation and Warehousing, Geographic Area Series, Hawaii, EC02-48A-HI* (August 2005), table 1
<http://www.census.gov/econ/census02/guide/02EC_HI.HTM> accessed September 19, 2005.

**Table 18.60-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND
DESTINATION: 2002**

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	13,480	23,659	(1/)
Destination			
Hawaii	12,798	22,440	957
California	340	(1/)	(1/)
Oregon	10	(1/)	(1/)
Washington	49	(1/)	(1/)
Mode of transportation			
Single modes			
Truck	7,484	11,494	127
Water	(1/)	547	108
Air (includes truck and air)	362	13	12
Pipeline 2/	1,437	6,919	(1/)
Multiple modes			
Parcel, U.S. Postal Service or courier	853	25	13
Truck and water	946	2,783	(1/)
Other multiple modes	325	1,452	124
Other and unknown modes	569	429	18
Distance shipped (miles)			
Less than 50	9,856	19,372	185
50 to 99	1,032	844	134
100 to 249	1,882	1,272	234
250 to 499	25	952	405
500 to 1,999	-	-	-
2,000 or more	684	(1/)	(1/)
Commodity 3/			
Meat, fish, seafood, and their preparations	228	50	(1/)
Other prepared foodstuffs and fats and oils	1,094	1,046	581
Gasoline and aviation turbine fuel	1,899	6,294	405
Fuel oils	1,203	5,671	172
Pharmaceutical products	763	(1/)	-
Printed products	201	42	(1/)
Textiles, leather, and articles of textiles or leather	752	27	(1/)
Electronic and other electrical equipment and components and office equipment	692	40	6

1/ Estimates do not meet publication standards because of sampling variability or poor response quality.

2/ Estimates exclude shipments of crude petroleum.

3/ Based on the Standard Classification of Transported Goods (SCTG) coding system.

Source: U.S. Census Bureau, *2002 Economic Census, Transportation, 2002 Commodity Flow Survey, Hawaii*, EC02TCF-HI (December 2004), tables 1a, 3, 6 and 7

<<http://www.census.gov/svsd/www/02statepdf.html>> accessed July 19, 2005.