

Section 17 Transportation

This section presents statistics relating to public roads, motor vehicles, local public transit, railroads, civil aviation, and water traffic. A major source for these series is the Hawaii Department of Transportation and its Airports, Harbors, and Airports Divisions (formerly separate entities). Other sources include the U. S. Bureau of Public Roads, Civil Aeronautics Board, Federal Aviation Agency, Interstate Commerce Commission, Hawaii Public Utilities Commission, and individual transportation companies. Research personnel of the State Department of Transportation may be able to provide more detailed statistics than appear in this section. Similar statistics for other areas are reported in Sections 20, 21 and 22 of the Statistical Abstract of the United States: 1961.

Table 1.--SUMMARY OF TRANSPORTATION STATISTICS: 1900 TO 1961

Year	Motor vehicles registered ¹	Honolulu Rapid Transit revenue passengers (thousands)	Inter-island passengers		Overseas vessels, Honolulu Harbor	
			Surface	Air	Number arriving	Gross tons (thousands)
1900	--	--	(NA)	--	(NA)	(NA)
1910	*2,235	8,980	62,236	--	(NA)	(NA)
1920	10,300	16,927	95,237	--	839	4,530
1930	48,713	14,505	137,399	13,043	903	7,607
1940	74,219	23,391	158,328	28,842	872	7,436
1950	140,591	41,787	--	438,938	861	7,281
1960	235,330	29,084	--	955,610	1,411	12,305
1961	249,416	26,117	--	(NA)	1,518	12,699

*As of 1913.

NA Not available.

¹Taxable and non-taxable. Neighbor island data for 1920 estimated by Department of Planning and Research.

Source: Hawaiian Almanac and Annual for 1914 (p. 219), 1921 (p. 23), 1931 (p. 19), and 1942 (p. 295); Honolulu Automobile Club, records; Honolulu Rapid Transit Co., records; John Child and Co., Market for Inter-Island Surface Transportation Services (1957), App. Tables 3 and 5; Hawaii Aeronautics Commission, records; Hawaii Board of Harbor Commissioners, annual reports.

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Table 2.--MILEAGE OF FEDERAL-AID HIGHWAY SYSTEMS, LOCAL ROADS, AND STREETS, BY ISLAND: DECEMBER 31, 1960

Island	Total mileage	Federal-aid highways				Local roads and streets	National Park
		Total	Primary	Secondary	Off-system		
The State...	3,093	1,090	496	594	2	1,934	67
Hawaii.....	1,232	415	214	201	-	750	67
Maui	463	237	62	175	-	226	-
Lanai	49	30	-	30	-	19	-
Molokai	81	61	22	38	-	20	-
Oahu	980	235	139	96	2	743	-
Kauai.....	288	112	59	54	-	176	-

Source: Hawaii Department of Transportation, Division of Highways, Annual Traffic Summary for each county for 1960.

Table 3.--FEDERAL-AID HIGHWAY PROJECTS: JUNE 30, 1960

Subject	Total cash ¹	Federal funds ¹	Miles
Completed during fiscal year	28.9	21.7	424
Under construction	41.3	33.7	253
Plans approved, not under construction.....	7.7	5.9	63

¹Millions of dollars

Source: U. S. Bureau of Public Roads data, cited in Statistical Abstract of the United States: 1961, p. 549.

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Table 4.--MOTOR VEHICLE REGISTRATION, BY ISLANDS: 1961

(As of December 31. Includes both taxable and non-taxable vehicles, but excludes military vehicles used strictly for government work and vehicles used solely for agricultural purposes)

Island	All vehicles	Type of vehicle				Taxability	
		Pass. cars	Trucks	Motor-cycles	Other vehicles ¹	Taxable	Not taxable
The State...	249,416	212,609	29,971	4,079	2,757	245,098	4,318
Hawaii.....	23,778	18,400	4,862	122	394	23,355	423
Maui.....	16,263	12,948	2,845	193	277	15,967	296
Lanai.....	620	521	82	3	14	615	5
Molokai.....	1,617	1,173	396	9	39	1,579	38
Oahu.....	194,585	169,738	19,422	3,573	1,852	191,244	3,341
Kauai.....	12,553	9,829	2,364	179	181	12,338	215

¹Tow cars, truck tractors, tractors, or tow trucks (1,277), busses (653), patrols, ambulances or hearses (73), cranes, hi-lifts, or miscellaneous (268), and new car dealers (486).

Source: Compiled from County Treasurers by Honolulu Automobile Club (February 1, 1962).

Table 5.--REGISTERED MOTOR VEHICLES, FUEL CONSUMPTION FOR HIGHWAY PURPOSES, AND VEHICLE MILES OF TRAVEL, 1932 TO 1960, AND BY COUNTIES, 1960

Year and county	Motor vehicle registrations	Civ. population per vehicle	Fuel consumption ¹		Vehicle miles traveled ²	
			Total (thousands)	Per vehicle	Total (millions)	Per vehicle
1932	48,717	(³)	23,785	488	333.0	6,835
1939	65,629	(³)	45,935	700	643.1	9,799
1946	81,700	5.75	60,966	746	853.5	10,447
1953	166,473	2.81	106,144	638	1,486.0	8,926
1960	230,791	2.58	142,117	616	1,989.6	8,621
Hawaii Co.	23,185	2.62	14,304	617	200.2	8,637
Honolulu Co. ..	178,388	2.59	109,913	616	1,538.8	8,626
Kauai Co.	11,931	2.39	7,213	605	101.0	8,464
Maui Co.	17,287	2.53	10,687	618	149.6	8,655

¹For highway purposes (gasoline, Diesel oil, and butane gas), in gallons.

²Based on 14 miles per gallon of fuel.

³Not available; persons per vehicle numbered 8.37 in 1930 and 5.90 in 1940.

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Table 6.--STATE AND COUNTY MOTOR FUEL TAX RATES AND REVENUES BY COUNTIES: 1960

Subject	The State	Hawaii Co.	Honolulu Co.	Kauai Co.	Maui Co.
Tax rates (cents): ¹					
State tax.....	...	8.0	5.0	5.0	5.0
County tax.....	...	3.0	3.5	4.0	5.0
Revenues (\$1,000):					
State tax.....	7,387	769	5,653	382	583
County tax.....	5,099	429	3,847	288	534

¹Per gallon of gasoline and butane and Diesel oil for highway use. From Hawaii Department of Taxation.

Source of tables 5 and 6: Hawaii Department of Transportation, Division of Highways, Annual Traffic Summary, Island of Oahu, 1960 (Publication No. HP 61-1, May 1961).

Table 7.--PUBLIC TRANSPORTATION FINANCES: 1950, 1959, AND 1960

Carrier	Gross revenue (\$1,000)			Expense and cost, 1960	Net income, 1960
	1950	1959	1960		
Honolulu Rapid Transit Co.	3,985	4,748	4,619	4,515	104
Other motor vehicle carriers...	244	859	963	897	66
Railroads.....	2,178	6,951	8,256	7,607	649
Air carriers (inter-isl.).....	4,555	11,599	15,182	15,467	-285

Source: Hawaii Public Utilities Commission, 1960 Annual Report to the Governor.

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Table 8.--RAILROAD MILEAGE OWNED:
1910 TO 1959

Year	Miles
1910.....	175
1920.....	243
1930.....	232
1940.....	192
1950.....	25
1959.....	25

Table 9. --AIRCRAFT OPERATIONS FOR HONOLULU INTERNATIONAL AIRPORT: JULY 1, 1959 TO JUNE 30, 1960

Type of operation	Number
All operations.....	266,254
Air carrier.....	87,985
General aviation.....	42,264
Military aircraft.....	136,005

Source: Interstate Commerce Commission data, cited in Statistical Abstract of the United States for 1933 (p. 342) and 1961 (p. 568).

Table 10.--AIR PASSENGERS, AIR CARGO, AND AIRMAIL: JULY 1, 1959 TO JUNE 30, 1960

Subject	Honolulu International Airport						All airports: inter-island
	Total		Inter-island		Overseas		
	Out-going	In-coming	Out-going	In-coming	Out-going	In-coming	
Revenue passengers	765,106	770,156	404,179	407,762	360,927	362,394	922,835
Revenue cargo ¹	25,344	19,838	15,446	7,745	9,898	12,092	25,333
Revenue mail ¹	8,476	9,215	520	513	7,955	8,702	1,036

¹In thousands of pounds.

Source of tables 9 and 10: Hawaii Aeronautics Commission, Annual Report for 1960.

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Table 11.--MISCELLANEOUS STATISTICS
ON AVIATION: DECEMBER 31, 1959

Subject	Number
Airports	35
General	10
Limited	16
Restricted	9
Active civil aircraft.....	109
Air carrier.....	22
General aviation	87
Active pilots.....	679
Private.....	183
Commercial.....	190
Airline transport	116
Student.....	185
Other	5
FAA-approved schools	4

Source: Federal Aviation Agency, FAA Statistical Handbook of Aviation, 1960.

Table 13.--CARGO TONS: JULY 1, 1960
TO JUNE 30, 1961

Category	All ¹ ports (thousands)	Port of Honolulu (thousands)
Overseas ..	7,326	5,458
In	4,830	4,168
Out	2,496	1,290
Inter-isl..	2,344	1,146
In	1,170	712
Out.....	1,173	435

¹Includes Honolulu, Hilo, Kawaihae, Kailua-Kona, Kahului, Hana, Port Allen, Nawiliwili, Kaunakakai, Kalapapa, and Kaunapapa.

Table 12.--AVERAGE SPEED OR SCHEDULED
FLYING TIME, FOR SELECTED AIR
ROUTES: 1949 TO 1961

Year	Honolulu to -- ¹		Between Hawaii and Calif. ² (m.p.h.)
	Lihue (min.)	Hilo (min.)	
1949	(NA)	(NA)	268.4
1952	45	95	253.0
1955	45	95	284.4
1958	45	95	287.1
1959	34	65	283.7
1960	34	65	443.5
1961	34	65	528.1

¹Scheduled time by Aloha Airlines, as of July 1.
²Actual average for United Air Lines.
Source: Aloha Airlines, records; U. S. Civil Aeronautics Board, records.

Table 14.--OVERSEAS VESSELS AND PASSENGERS AND INTER-ISLAND VESSELS, FOR HONOLULU: JULY 1, 1960 TO JUNE 30, 1961

Subject	Number
Overseas vessels	1,518
American flag	1,110
Foreign flag	408
Net tons (thousands)	7,498
Gross tons (thousands).....	12,699
Overseas passengers:	
In	35,700
Out	32,402
Inter-island vessels	2,460
Gross tons (thousands).....	1,143

Source of tables 13 and 14: Annual Report of the Board of Harbor Commissioners of the State of Hawaii...1961.