

**DAILY TRAFFIC COUNTS FOR KOLOA-PO'IPU AREA ROADWAYS**

Roadway	From	To	Day One					Day Two					Two-Day Average		
			Direction 1		Direction 2		Total Count	Count Date	Direction 1		Direction 2			Total Count	Count Date
			Count	Direction	Count	Direction			Count	Direction	Count	Direction			
Maluhia Road	Kaumual'i Highway	Koloa Road	4,770	south	4,759	north	9,529	10/3/2005	4,842	south	4,741	north	9,583	10/4/2005	9,556
Koloa Road	Piko Road	Omao Road	4,115	south/east	4,181	north/west	8,296	9/9/2004	4,148	south/east	4,205	north/west	8,353	9/10/2004	8,325
Koloa Road	Omao Road	Poipu Road	4,910	south/east	4,781	north/west	9,691	9/29/2005	4,829	south/east	4,834	north/west	9,663	9/30/2005	9,677
Koloa Road	Poipu Road	Maluhia Road	6,061	south	6,205	north	12,266	11/2/2005	5,966	south	6,089	north	12,055	11/8/2005	12,161
Koloa Road	Maluhia Road	Waikomo Road	1,885	east	2,347	west	4,232	9/29/2005	2,065	east	2,597	west	4,662	9/30/2005	4,447
Poipu Road	Koloa Road	Lawai Road	5,319	south	5,260	north	10,579	10/3/2005	5,341	south	5,404	north	10,745	10/4/2005	10,662
Poipu Road	Lawai Road	Bypass/Pe'e Road	4,302	east	4,477	west	8,779	9/16/2004	4,215	east	4,493	west	8,708	9/17/2004	8,744
Omao Road	Kaumual'i Highway	Koloa Road	851	south	828	north	1,679	9/29/2005	857	south	865	north	1,722	9/30/2005	1,701
Eastern Bypass	Maluhia Road	Weliweli Road	2,193	north	2,061	south	4,254	10/3/2005	2,156	north	2,121	south	4,277	10/4/2005	4,266
Eastern Bypass	Weliweli Road	Poipu Road	3,042	north	3,054	south	6,096	10/3/2005	3,037	north	3,112	south	6,149	10/4/2005	6,123
Weliweli Road	Koloa Road	Eastern Bypass	1,274	east	1,133	west	2,407	10/3/2005	1,289	east	1,165	west	2,454	10/4/2005	2,431
Waikomo Road	Poipu Road	Koloa Road	790	south/west	711	north/east	1,501	9/29/2005	806	south/west	782	north/east	1,588	9/30/2005	1,545

Source: Hawaii DOT

Note: Only roadways with available data from Hawaii DOT are included.

**PEAK HOUR TRAFFIC COUNTS FOR KOLOA-PO'IPU AREA ROADWAYS**

Roadway	From	To	Day One												
			a.m. peak	Time	p.m. peak	Time	non-commuter	Time	overall peak	Time	D1		D2		Date
			Maluhia Road	Kaunualii Highway	Koloa Road	680	11:00 - 12:00	845	4:00 - 5:00	774	2:00 - 3:00	845	4:00 - 5:00	423	south
Koloa Road	Piko Road	Omao Road	626	7:15 - 8:15	782	3:30 - 4:30	649	2:00 - 3:00	782	3:30 - 4:30	379	southeast	403	northwest	9/9/2004
Koloa Road	Omao Road	Poipu Road	121	7:00 - 8:00	149	4:00 - 5:00	128	1:45 - 2:45	149	4:00 - 5:00	459	southeast	477	northwest	9/29/2005
Koloa Road	Poipu Road	Maluhia Road	829	7:00 - 8:00	1028	3:15 - 4:15	919	12:15 - 1:15	1028	3:15 - 4:15	531	west	497	east	11/2/2005
Koloa Road	Maluhia Road	Waikomo Road	335	10:45 - 11:45	415	4:00 - 5:00	377	1:30 - 2:30	415	4:00 - 5:00	187	east	228	west	9/29/2005
Poipu Road	Koloa Road	Lawai Road	760	11:00 - 12:00	936	3:45 - 4:45	823	12:15 - 1:15	936	3:45 - 4:45	427	south	509	north	10/3/2005
Poipu Road	Lawai Road	Bypass/Pe'e Road	547	11:00 - 12:00	774	3:45 - 4:45	686	12:45 - 1:45	774	3:45 - 4:45	332	east	442	west	9/16/2004
Omao Road	Kaunualii Highway	Koloa Road	121	7:00 - 8:00	149	4:00 - 5:00	128	1:45 - 2:45	149	4:00 - 5:00	85	south	64	north	9/29/2005
Eastern Bypass	Maluhia Road	Weliweli Road	281	10:15 - 11:15	433	3:45 - 4:45	380	2:00 - 3:00	433	3:45 - 4:45	249	north	184	south	10/3/2005
Eastern Bypass	Weliweli Road	Poipu Road	396	10:45 - 11:45	595	3:30 - 4:30	500	2:00 - 3:00	595	3:30 - 4:30	327	north	268	south	10/3/2005
Weliweli Road	Koloa Road	Eastern Bypass	177	7:15 - 8:15	244	3:00 - 4:00	212	12:15 - 1:15	244	3:00 - 4:00	112	east	132	west	10/3/2005
Waikomo Road	Poipu Road	Koloa Road	109	11:00 - 12:00	145	3:45 - 4:45	139	2:00 - 3:00	145	3:45 - 4:45	65	southwest	80	northeast	9/29/2005

Roadway	From	To	Day Two												
			a.m. peak	Time	p.m. peak	Time	non-commuter	Time	overall peak	Time	D1		D2		Date
			Maluhia Road	Kaunualii Highway	Koloa Road	648	10:00 - 11:00	835	3:30 - 4:30	754	1:45 - 2:45	835	3:30 - 4:30	465	south
Koloa Road	Piko Road	Omao Road	640	7:15 - 8:15	779	4:00 - 5:00	639	2:00 - 3:00	779	4:00 - 5:00	351	southeast	428	northwest	9/10/2004
Koloa Road	Omao Road	Poipu Road	131	7:00 - 8:00	153	3:30 - 4:30	113	2:00 - 3:00	153	3:30 - 4:30	388	southeast	471	northwest	9/30/2005
Koloa Road	Poipu Road	Maluhia Road	842	7:15 - 8:15	1141	3:45 - 4:45	986	1:30 - 2:30	1141	3:45 - 4:45	634	west	507	east	11/3/2005
Koloa Road	Maluhia Road	Waikomo Road	336	11:00 - 12:00	435	3:45 - 4:45	412	2:00 - 3:00	435	3:45 - 4:45	176	east	259	west	9/30/2006
Poipu Road	Koloa Road	Lawai Road	743	11:00 - 12:00	961	3:45 - 4:45	788	11:30 - 12:30	961	3:45 - 4:45	484	south	477	north	10/3/2005
Poipu Road	Lawai Road	Bypass/Pe'e Road	544	11:00 - 12:00	758	4:00 - 5:00	655	12:45 - 1:45	758	4:00 - 5:00	333	east	425	west	9/17/2004
Omao Road	Kaunualii Highway	Koloa Road	131	7:00 - 8:00	153	3:30 - 4:30	113	2:00 - 3:00	153	3:30 - 4:30	74	south	79	north	9/30/2005
Eastern Bypass	Maluhia Road	Weliweli Road	290	9:45 - 10:45	405	4:00 - 5:00	370	2:00 - 3:00	405	4:00 - 5:00	226	north	179	south	10/4/2005
Eastern Bypass	Weliweli Road	Poipu Road	391	7:15 - 8:15	588	4:00 - 5:00	506	2:00 - 3:00	588	4:00 - 5:00	339	north	249	south	10/4/2005
Weliweli Road	Koloa Road	Eastern Bypass	197	6:45 - 7:45	241	4:00 - 5:00	202	1:30 - 2:30	241	4:00 - 5:00	94	east	147	west	10/4/2005
Waikomo Road	Poipu Road	Koloa Road	106	7:00 - 8:00	159	4:00 - 5:00	138	2:00 - 3:00	159	4:00 - 5:00	78	southwest	81	northeast	9/30/2005

Additional Days															
Koloa Road	Poipu Road	Maluhia Road	830	7:00 - 8:00	735	2:15 - 3:15	811	11:00 - 12:00	830	7:00 - 8:00	331	west	499	east	11/4/2005
Koloa Road	Poipu Road	Maluhia Road	780	11:00 - 12:00	972	3:45 - 4:45	838	1:45 - 2:45	972	3:45 - 4:45	523	west	449	east	11/5/2005
Koloa Road	Poipu Road	Maluhia Road	591	8:00 - 9:00	814	10:00 - 11:00	853	3:45 - 4:45	853	3:45 - 4:45	478	west	375	east	11/6/2005
Koloa Road	Poipu Road	Maluhia Road	1041	11:00 - 12:00	1222	3:15 - 4:15	1159	12:00 - 1:00	1222	3:15 - 4:15	677	west	545	east	11/7/2005
Koloa Road	Poipu Road	Maluhia Road	876	7:15 - 8:15	1072	3:30 - 4:30	1013	2:00 - 3:00	1072	3:30 - 4:30	597	west	475	east	11/8/2005

			Peak (2-day)	% ADT	D1 Average	% ADT	D2 Average	% ADT	Daily
Maluhia Road	Kaunualii Highway	Koloa Road	840	8.79%	444	4.65%	396	4.14%	9,556
Koloa Road	Piko Road	Omao Road	780.5	9.38%	365	4.38%	415.5	4.99%	8,325
Koloa Road	Omao Road	Poipu Road	151	1.56%	423.5	4.38%	474	4.90%	9,677
Koloa Road	Poipu Road	Maluhia Road	1084.5	8.92%	582.5	4.79%	502	4.13%	12,161
Koloa Road	Maluhia Road	Waikomo Road	425	9.56%	181.5	4.08%	243.5	5.48%	4,447
Poipu Road	Koloa Road	Lawai Road	948.5	8.90%	455.5	4.27%	493	4.62%	10,662
Poipu Road	Lawai Road	Bypass/Pe'e Road	766	8.76%	332.5	3.80%	433.5	4.96%	8,744
Omao Road	Kaunualii Highway	Koloa Road	151	8.88%	79.5	4.67%	71.5	4.20%	1,701
Eastern Bypass	Maluhia Road	Weliweli Road	419	9.82%	237.5	5.57%	181.5	4.25%	4,266
Eastern Bypass	Weliweli Road	Poipu Road	591.5	9.66%	333	5.44%	258.5	4.22%	6,123
Weliweli Road	Koloa Road	Eastern Bypass	242.5	9.98%	103	4.24%	139.5	5.74%	2,431
Waikomo Road	Poipu Road	Koloa Road	152	9.84%	71.5	4.63%	80.5	5.21%	1,545

Source: Hawaii DOT

Note: Only roadways with available data from Hawaii DOT are included.

**EXISTING PLUS BACKGROUND TRAFFIC FORECASTS FOR KOLOA-PO'IPU AREA ROADWAYS**

Roadway	From	To	Count Date	2004 Count	2005 Count/Est.	2006 Estimate	2007 Estimate	2008 Estimate	2009 Estimate	2010 Estimate	2011 Estimate	2012 Estimate
Maluhia Road	Kaumuali'i Highway	Koloa Road	10/4/2005		9,556	9,699	9,845	9,993	10,142	10,295	10,449	10,606
Koloa Road	Piko Road	Omao Road	9/10/2004	8,325	8,449	8,576	8,705	8,835	8,968	9,102	9,239	9,377
Koloa Road	Omao Road	Poipu Road	9/30/2005		9,677	9,822	9,969	10,119	10,271	10,425	10,581	10,740
Koloa Road	Poipu Road	Maluhia Road	11/8/2005		12,161	12,343	12,529	12,716	12,907	13,101	13,297	13,497
Koloa Road	Maluhia Road	Waikomo Road	9/30/2005		4,447	4,514	4,581	4,650	4,720	4,791	4,863	4,935
Poipu Road	Koloa Road	Lawai Road	10/4/2005		10,662	10,822	10,984	11,149	11,316	11,486	11,658	11,833
Poipu Road	Lawai Road	Bypass/Pe'e Road	9/17/2004	8,744	8,875	9,008	9,143	9,280	9,419	9,561	9,704	9,849
Omao Road	Kaumuali'i Highway	Koloa Road	9/30/2005		1,701	1,727	1,752	1,779	1,805	1,832	1,860	1,888
Eastern Bypass	Maluhia Road	Weliweli Road	10/4/2005		4,266	4,330	4,395	4,461	4,528	4,596	4,665	4,735
Eastern Bypass	Weliweli Road	Poipu Road	10/4/2005		6,123	6,215	6,308	6,403	6,499	6,596	6,695	6,796
Weliweli Road	Koloa Road	Eastern Bypass	10/4/2005		2,431	2,467	2,504	2,542	2,580	2,619	2,658	2,698
Waikomo Road	Poipu Road	Koloa Road	9/30/2005		1,545	1,568	1,592	1,616	1,640	1,664	1,689	1,715

Roadway	From	To	Count Date	2013 Estimate	2014 Estimate	2015 Estimate	2016 Estimate	2017 Estimate	2018 Estimate	2019 Estimate	2020	
											Estimate	Rounded
Maluhia Road	Kaumuali'i Highway	Koloa Road	10/4/2005	10,765	10,926	11,090	11,256	11,425	11,597	11,771	11,947	11,900
Koloa Road	Piko Road	Omao Road	9/10/2004	9,518	9,661	9,806	9,953	10,102	10,254	10,408	10,564	10,600
Koloa Road	Omao Road	Poipu Road	9/30/2005	10,901	11,065	11,231	11,399	11,570	11,744	11,920	12,098	12,100
Koloa Road	Poipu Road	Maluhia Road	11/8/2005	13,699	13,905	14,113	14,325	14,540	14,758	14,979	15,204	15,200
Koloa Road	Maluhia Road	Waikomo Road	9/30/2005	5,010	5,085	5,161	5,238	5,317	5,397	5,478	5,560	5,600
Poipu Road	Koloa Road	Lawai Road	10/4/2005	12,011	12,191	12,374	12,559	12,748	12,939	13,133	13,330	13,300
Poipu Road	Lawai Road	Bypass/Pe'e Road	9/17/2004	9,997	10,147	10,299	10,454	10,611	10,770	10,931	11,095	11,100
Omao Road	Kaumuali'i Highway	Koloa Road	9/30/2005	1,916	1,945	1,974	2,004	2,034	2,064	2,095	2,127	2,100
Eastern Bypass	Maluhia Road	Weliweli Road	10/4/2005	4,806	4,878	4,951	5,025	5,101	5,177	5,255	5,333	5,300
Eastern Bypass	Weliweli Road	Poipu Road	10/4/2005	6,898	7,001	7,106	7,213	7,321	7,431	7,542	7,655	7,700
Weliweli Road	Koloa Road	Eastern Bypass	10/4/2005	2,739	2,780	2,821	2,864	2,907	2,950	2,994	3,039	3,000
Waikomo Road	Poipu Road	Koloa Road	9/30/2005	1,740	1,767	1,793	1,820	1,847	1,875	1,903	1,932	1,900



**2020 TRIP DISTRIBUTION ON RECOMMENDED ROADWAY NETWORK**

Roadway	From	To	Koloa Marketplace		Historic Koloa Village		Koloa Creekside		Kukui'ula		Sheraton Kauai Resort		KMP-1 PB Estates		KMP-2 Royal Palms at PB		KMP-3 Pili Mai		KMP-4 KP Golf Resort		KMP-5 Wai'nani at Kiahuna		Po'ipu Town Center		Village at Po'ipu		Total Daily Traffic	
			%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count
Maluhia Road	Kaunualii Highway	Koloa Road	40%	466	40%	774	40%	320	50%	9,168	60%	1,165	40%	217		328		383		568		280		1,839	40%	1,399	16,908	16,900
Koloa Road	Piko Road	Omao Road	5%	58	5%	97	5%	40	20%	3,667	15%	291	10%	54		82		96		142		70		460	10%	350	5,407	5,400
Koloa Road	Omao Road	Poipu Road	10%	116	10%	193	10%	80	15%	2,750	5%	97	10%	54		82		96		142		70		460	10%	350	4,491	4,500
Koloa Road	Poipu Road	Maluhia Road	35%	407	35%	677	35%	280	15%	2,750	20%	388	20%	109		164		191		284		140		920	20%	700	7,011	7,010
Koloa Road	Maluhia Road	Waikomo Road	35%	407	35%	677	35%	280	5%	917	10%	194	10%	54		82		96		142		70		460	10%	350	3,729	3,700
Poipu Road	Koloa Road	Lawai Road	15%	175	15%	290	15%	120	15%	2,750	20%	388	15%	81		123		144		213		105		690	10%	350	5,429	5,430
Poipu Road	Lawai Road	Bypass/Pe'e Road	10%	116	10%	193	10%	80	15%	2,750	100%	1,942	30%	163		246		287		426		210		1,379	25%	875	8,669	8,670
Omao Road	Kaunualii Highway	Koloa Road	5%	58	5%	97	5%	40	5%	917	5%	97	5%	27		41		48		71		35		230	5%	175	1,836	1,800
Eastern Bypass	Maluhia Road	Weliweli Road	10%	116	10%	193	10%	80	0%	0	20%	388	65%	353		534		622		924		455		2,989	75%	2,624	9,278	9,300
Eastern Bypass	Weliweli Road	Poipu Road	25%	291	25%	484	25%	200	0%	0	20%	388	55%	298		452		526		781		385		2,529	60%	2,099	8,434	8,400
Weliweli Road	Koloa Road	Eastern Bypass	25%	291	25%	484	25%	200	0%	0	0%	0	15%	81		123		144		213		105		690	25%	875	3,205	3,200
Waikomo Road	Poipu Road	Koloa Road	5%	58	5%	97	5%	40	5%	917	0%	0	5%	27		41		48		71		35		230	5%	175	1,739	1,700
Western Bypass	Poipu Road	Koloa Road	0%	0	0%	0	0%	0	75%	13,752	20%	388	0%	0		0		0		0		0		0	0%	0	14,140	14,000
WB N. Ext.	Maluhia Road	Koloa Road	0%	0	0%	0	0%	0	65%	11,918	20%	388	0%	0		0		0		0		0		0	0%	0	12,307	12,000
E-W Connect. (Pa'anau)	Po'ipu Rd.	Western Bypass	5%	58	5%	97	5%	40	15%	2,750	0%	0	0%	0		0		0		0		0		0	0%	0	2,945	2,900
E-W Connect. (Lopaka Paipa)	Po'ipu Rd.	Western Bypass	5%	58	5%	97	5%	40	15%	2,750	0%	0	0%	0		0		0		0		0		0	0%	0	2,945	2,900
Cane Haul Connector	Eastern Bypass	Po'ipu Rd.	10%	116	10%	193	10%	80	10%	1,834	5%	97	60%	326		493		574		853		420		2,759	65%	2,274	10,018	10,000
Mauka East-West Connection	Eastern Bypass	New N/S Connection	5%	58	5%	97	5%	40	0%	0	5%	97	50%	271		411		478		710		350		2,299	25%	875	5,686	5,700
Makai East-West Connection	Eastern Bypass	New N/S Connection	5%	58	5%	97	5%	40	0%	0	5%	97	5%	27		41		48		71		35		230	50%	1,749	2,493	2,500
North-South Connection	Ho'onani Rd.	Po'ipu Rd.	0%	0	0%	0	0%	0	0%	0	70%	1,359	0%	0		0		0		0		0		0	0%	0	1,359	1,400
New North-South Connection	Po'ipu Rd.	Cane Haul Connector	15%	175	15%	290	15%	120	0%	0	5%	97	70%	380		575		670		995		490		3,219	80%	2,799	9,808	9,800

Total Daily Project Trips 1,164 1,935 800 18,336 1,942 543 821 957 1,421 700 4,598 3,499

Note: No information for: Dr. Murray, Paanau, Poipu Beach Villas, Poipu Spa and Fitness, and Poipu Beach Hotel