

Appendix 6.12 AVERAGE CAPACITY OF PASSENGER VEHICLES -- 1990

(Unit:Person)

Seq	Survey Station Code	Route No.	Ctl' Sect.	Dire-ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
1	101030	340	201	IN	5.2	12.3	14.1	60.0	12.1	17.1
				OUT	5.0	13.5	18.3	41.8	13.1	17.5
				BOTH	5.1	12.6	15.0	51.3	12.6	17.3
2	101071	303	100	IN	4.9	11.2	23.7	60.2	10.5	37.1
				OUT	4.9	12.4	18.6	53.2	5.1	20.8
				BOTH	4.9	12.3	19.8	57.6	7.4	28.8
3	101072	3	200	IN	5.0	13.2	20.4	44.4	11.3	13.2
				OUT	5.0	14.3	26.3	42.0	11.9	15.1
				BOTH	5.0	13.7	23.5	43.2	11.6	14.1
4	103020	304	202	IN	5.0	12.8	17.5	75.6	12.9	15.1
				OUT	4.6	12.3	30.0	72.6	11.9	14.2
				BOTH	4.8	12.6	25.0	74.1	12.3	14.6
5	105071	4	100	IN	5.0	12.9	18.3	70.0	10.9	28.3
				OUT	5.0	13.2	19.4	68.3	11.9	23.7
				BOTH	5.0	13.1	18.9	69.2	11.5	25.8
6	105072	35	100	IN	5.1	13.6	22.7	51.9	12.2	17.5
				OUT	5.0	11.5	13.8	61.5	12.1	16.2
				BOTH	5.1	13.4	18.1	55.0	12.1	17.0
8	1022111	1	900	IN	5.0	15.6	14.0	59.5	12.7	18.8
				OUT	5.0	12.0	27.5	59.9	12.0	15.7
				BOTH	5.0	12.6	23.0	59.7	12.3	17.0
9	1022112	1	1101	IN	5.1	12.1	30.0	58.4	12.9	14.8
				OUT	5.0	12.2	25.6	56.8	12.8	17.7
				BOTH	5.1	12.2	26.3	57.5	12.9	16.1
10	1025060	340	600	IN	5.0	12.5	20.0	59.4	12.4	12.0
				OUT	5.1	12.5	20.0	59.7	14.1	13.2
				BOTH	5.1	12.5	20.0	59.6	13.5	12.8
11	1031040	346	300	IN	5.0	13.6	15.0	76.5	12.1	15.3
				OUT	5.0	12.9	14.0	71.4	13.0	14.9
				BOTH	5.0	13.4	14.3	74.0	12.5	15.1
14	1043050	305	102	IN	4.6	12.0	25.0	58.0	11.3	11.4
				OUT	4.5	11.8	28.1	56.5	10.5	11.2
				BOTH	4.5	12.0	26.6	57.1	10.9	11.3
15	1051080	311	100	IN	5.0	12.4	20.0	57.0	14.4	15.6
				OUT	5.0	12.4	20.0	50.4	11.9	13.5
				BOTH	5.0	12.4	20.0	54.0	13.1	14.6
16	1051101	309	302	IN	5.0	12.1	20.0	43.6	13.5	13.6
				OUT	5.0	13.0	18.0	44.8	12.4	13.4
				BOTH	5.0	12.5	19.2	44.3	12.8	13.5
17	1051102	32	500	IN	5.0	12.9	19.8	37.7	11.9	16.4
				OUT	5.1	12.0	17.2	59.1	11.4	17.3
				BOTH	5.1	12.6	18.3	45.0	11.7	16.8
18	1052110	11	101	IN	5.0	11.7	22.0	80.0	12.0	14.3
				OUT	5.0	12.0	22.0	58.4	12.0	13.8
				BOTH	5.0	11.8	22.0	68.0	12.0	14.1
19	1061081	1	500	IN	5.0	12.3	12.5	59.7	11.9	15.2
				OUT	5.0	12.3	10.0	38.4	12.1	13.7
				BOTH	5.0	12.3	11.7	46.0	12.0	14.3
20	1061082	21	200	IN	5.1	12.9	20.0	50.0	12.7	13.0
				OUT	5.0	14.7	20.0	59.9	14.1	14.4
				BOTH	5.1	14.1	20.0	55.2	13.3	13.7

(Unit:Person)

Seq	Survey Station Code	Route No.	Ctl' Sect.	Dire-ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
21	1061090	1	301	IN	4.2	12.9	23.0	50.8	9.0	43.1
				OUT	4.8	13.0	18.8	51.1	11.9	41.9
				BOTH	4.5	13.0	21.1	51.0	10.7	42.4
22	1063050	33	101	IN	5.0	11.7	29.1	55.9	11.3	18.6
				OUT	4.9	13.5	20.0	50.8	13.0	23.3
				BOTH	5.0	12.8	28.3	52.9	12.0	20.7
23	1064060	2	101	IN	5.0	12.0	10.9	60.1	12.0	18.2
				OUT	5.0	12.6	18.5	60.0	13.0	21.0
				BOTH	5.0	12.3	12.8	60.0	12.4	19.6
24	1073021	34	100	IN	5.0	13.9	23.3	40.5	13.6	19.0
				OUT	5.0	13.9	20.3	60.1	13.6	20.4
				BOTH	5.0	13.9	21.4	50.1	13.6	19.8
25	1073022	3	301	IN	5.0	20.0	28.6	55.4	14.5	20.5
				OUT	5.0	13.3	30.0	56.0	12.0	18.3
				BOTH	5.0	14.7	29.2	55.6	13.4	19.5
26	1082090	21	501	IN	5.0	12.0	18.2	60.0	12.0	16.0
				OUT	5.0	12.8	16.8	60.0	12.2	17.1
				BOTH	5.0	12.4	17.8	60.0	12.1	16.5
27	1082110	1	700	IN	5.1	12.0	15.0	64.8	12.9	17.8
				OUT	5.0	0.0	60.0	60.0	14.6	20.4
				BOTH	5.1	12.0	55.7	62.6	13.7	19.1
28	1084030	205	501	IN	5.0	15.0	20.0	52.5	13.3	18.1
				OUT	5.2	12.0	20.0	52.8	12.5	17.4
				BOTH	5.1	13.5	20.0	52.6	12.9	17.8
29	2012040	1	1600	IN	5.0	12.2	23.6	54.1	10.4	12.4
				OUT	5.2	12.1	24.8	55.3	11.9	15.3
				BOTH	5.1	12.2	24.2	54.8	11.3	13.9
30	2012070	115	200	IN	5.1	14.3	40.0	51.0	14.3	14.9
				OUT	5.0	15.0	40.0	61.1	13.8	15.7
				BOTH	5.0	14.4	40.0	55.6	14.0	15.3
31	2012110	1	1301	IN	5.0	16.6	27.5	59.3	14.4	18.7
				OUT	5.0	15.0	20.0	58.5	12.3	14.1
				BOTH	5.0	16.4	26.0	59.0	13.3	16.4
32	2012150	101	301	IN	5.0	12.3	20.0	49.1	12.4	15.1
				OUT	4.9	12.0	20.0	62.9	13.1	17.1
				BOTH	4.9	12.2	20.0	56.2	12.8	16.1
33	2022030	1019	200	IN	5.4	15.1	0.0	56.0	14.0	13.6
				OUT	5.4	16.1	25.0	58.5	14.4	13.5
				BOTH	5.4	15.6	25.0	57.2	14.2	13.6
34	2022060	1	2903	IN	5.0	12.8	10.0	59.1	12.0	13.9
				OUT	5.1	12.6	40.0	59.8	12.0	18.2
				BOTH	5.0	12.7	25.0	59.6	12.0	15.9
35	2032120	106	602	IN	5.0	25.2	50.0	60.0	11.9	17.6
				OUT	5.0	26.3	50.0	60.0	12.2	19.3
				BOTH	5.0	25.8	50.0	60.0	12.1	18.5
36	2032140	108	500	IN	5.0	13.8	18.7	57.5	13.9	14.6
				OUT	5.1	15.6	0.0	55.0	13.9	13.5
				BOTH	5.0	15.2	18.7	56.3	13.9	14.0
37	2042130	1	1901	IN	5.1	15.0	40.0	58.5	14.0	14.3
				OUT	5.3	14.6	26.0	59.0	14.7	13.9
				BOTH	5.2	14.8	30.0	58.8	14.4	14.1

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(Unit: Person)

Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire- ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
38	2052100	101	1100	IN	5.0	12.0	12.0	60.0	12.0	16.2
				OUT	5.0	12.0	60.0	60.0	12.0	16.0
				BOTH	5.0	12.0	40.8	60.0	12.0	16.1
39	2062130	1	2603	IN	5.2	11.9	20.0	56.6	14.1	14.3
				OUT	5.1	15.1	0.0	55.5	14.0	18.3
				BOTH	5.1	13.8	20.0	55.8	14.1	16.4
40	2072081	117	400	IN	5.0	12.0	10.0	60.3	12.0	14.6
				OUT	5.0	12.0	10.0	60.3	12.0	14.3
				BOTH	5.0	12.0	10.0	60.3	12.0	14.5
41	2072082	11	502	IN	5.3	19.2	25.0	50.6	13.6	15.5
				OUT	5.3	15.0	20.0	60.0	14.5	15.0
				BOTH	5.3	18.0	23.3	54.6	14.1	15.3
42	2072090	113	202	IN	5.0	12.0	17.0	60.0	12.0	15.4
				OUT	5.0	12.0	60.0	60.0	12.0	14.2
				BOTH	5.0	12.0	38.5	60.0	12.0	14.8
43	2072111	117	200	IN	5.0	11.1	20.0	59.5	12.1	16.4
				OUT	5.1	15.6	28.5	58.8	12.0	13.6
				BOTH	5.0	12.7	27.3	59.2	12.1	15.0
44	2072112	11	201	IN	5.0	20.0	18.5	56.3	14.4	16.8
				OUT	5.1	12.0	20.0	63.2	13.8	14.6
				BOTH	5.1	16.0	19.3	59.3	14.1	15.6
45	2082150	12	400	IN	5.0	12.0	60.0	60.0	12.0	16.6
				OUT	5.1	12.0	60.0	60.0	12.0	18.0
				BOTH	5.0	12.0	60.0	60.0	12.0	17.3
46	2082170	11	700	IN	5.0	15.0	40.0	59.1	14.2	16.7
				OUT	5.1	13.2	20.0	49.5	12.5	11.7
				BOTH	5.1	13.8	30.0	56.0	13.3	14.3
47	2094020	12	1000	IN	5.1	15.0	30.0	76.5	15.0	20.3
				OUT	5.3	15.0	26.7	80.0	15.0	22.2
				BOTH	5.2	15.0	28.8	78.4	15.0	21.2
48	2094030	225	600	IN	5.0	12.0	17.0	80.0	12.0	15.2
				OUT	5.0	12.0	20.8	60.0	12.0	18.1
				BOTH	5.0	12.0	20.2	64.4	12.0	17.0
49	2094120	203	202	IN	5.0	14.1	30.0	57.6	12.1	18.9
				OUT	5.0	15.7	27.3	51.6	13.2	18.8
				BOTH	5.0	15.1	28.4	54.4	12.7	18.9
50	2102131	103	100	IN	5.1	12.0	22.0	60.3	12.0	14.2
				OUT	5.0	12.3	22.0	60.8	12.0	14.1
				BOTH	5.0	12.1	22.0	60.5	12.0	14.1
51	2102132	11	1200	IN	5.2	14.4	25.0	58.4	13.6	11.8
				OUT	5.2	15.0	20.0	59.1	14.1	12.6
				BOTH	5.2	14.6	22.5	58.8	13.9	12.2
52	2102150	101	700	IN	5.3	15.4	22.9	60.0	14.1	13.3
				OUT	5.1	17.8	21.8	60.0	13.2	13.9
				BOTH	5.2	16.7	22.4	60.0	13.7	13.6
53	2122130	11	1300	IN	5.0	12.0	30.0	60.0	12.0	15.2
				OUT	5.0	19.9	10.0	55.9	12.5	16.3
				BOTH	5.0	16.3	27.1	58.1	12.3	15.7
54	2152170	102	100	IN	5.0	12.0	41.4	59.2	12.0	16.9
				OUT	5.1	12.0	34.0	60.0	12.0	14.4
				BOTH	5.0	12.0	38.3	59.5	12.0	15.7

(Unit: Person)

Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire- ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
55	3013040	3	1300	IN	7.0	14.0	40.0	57.0	3.0	6.0
				OUT	6.9	13.6	15.0	57.6	3.1	7.0
				BOTH	6.9	13.8	21.3	57.4	3.0	6.5
56	3013060	317	302	IN	7.0	14.0	24.6	60.0	11.9	18.9
				OUT	7.0	14.1	24.7	60.0	8.7	15.3
				BOTH	7.0	14.1	24.7	60.0	10.3	17.1
58	3023031	3	402	IN	5.0	13.5	42.0	44.3	12.8	40.1
				OUT	4.9	13.7	22.0	45.6	14.4	27.9
				BOTH	4.9	13.7	40.3	45.1	14.0	31.9
59	3023032	315	200	IN	5.0	13.5	23.6	58.6	13.4	13.9
				OUT	5.0	12.5	20.0	58.9	13.4	13.8
				BOTH	5.0	13.1	22.6	58.7	13.4	13.8
60	3023033	331	400	IN	5.0	13.7	30.0	69.8	12.0	13.0
				OUT	5.0	13.4	22.5	74.3	13.0	14.7
				BOTH	5.0	13.6	26.3	72.2	12.4	13.8
61	3023061	319	200	IN	5.1	14.3	21.5	61.1	13.0	12.3
				OUT	5.0	12.8	20.0	41.9	11.7	11.2
				BOTH	5.1	13.7	21.3	50.6	12.4	11.7
62	3023062	304	400	IN	5.0	12.6	19.4	60.0	13.5	13.8
				OUT	5.1	12.8	20.0	59.8	13.6	13.9
				BOTH	5.0	12.7	19.5	59.9	13.5	13.9
63	3033071	3	800	IN	6.9	14.0	22.5	56.5	3.0	9.8
				OUT	7.0	14.0	20.0	58.3	11.9	15.2
				BOTH	6.9	14.0	21.7	57.4	7.1	12.2
64	3033072	36	200	IN	7.0	13.9	17.0	47.5	3.0	7.2
				OUT	6.9	14.0	10.0	49.1	3.0	7.3
				BOTH	7.0	13.9	13.5	48.3	3.0	7.2
65	3033073	344	300	IN	7.0	14.1	24.9	49.3	3.0	8.6
				OUT	6.9	13.9	26.8	45.9	3.0	8.3
				BOTH	7.0	14.1	25.8	47.6	3.0	8.5
67	3064060	304	700	IN	6.8	13.6	23.5	60.0	3.1	10.4
				OUT	7.0	13.8	21.8	59.0	3.0	11.4
				BOTH	6.9	13.7	22.5	59.5	3.1	10.8
68	4014090	213	102	IN	5.0	15.9	30.0	51.6	12.5	22.9
				OUT	5.0	14.5	26.7	53.2	13.2	23.6
				BOTH	5.0	15.2	27.5	52.4	12.8	23.2
69	4014110	214	200	IN	5.1	14.2	23.4	59.9	14.9	19.8
				OUT	5.0	14.5	45.0	68.0	11.9	22.5
				BOTH	5.1	14.3	35.6	63.4	14.2	20.9
70	4014130	213	303	IN	5.0	12.0	32.2	80.0	13.9	20.4
				OUT	5.0	15.0	30.0	75.0	14.6	20.1
				BOTH	5.0	14.5	30.4	77.2	14.4	20.3
71	4024030	201	702	IN	5.0	13.5	25.5	71.5	15.0	22.3
				OUT	5.2	15.0	27.6	75.0	15.0	20.6
				BOTH	5.1	14.0	26.7	72.6	15.0	21.7
72	4024060	2	702	IN	5.1	11.7	17.5	72.3	13.3	31.0
				OUT	5.0	13.0	30.0	78.4	14.2	27.4
				BOTH	5.0	12.6	21.7	74.9	13.7	29.3
73	4024091	208	102	IN	5.0	15.4	24.4	54.3	12.5	31.8
				OUT	4.9	15.7	25.8	53.4	12.0	29.7
				BOTH	4.9	15.6	25.0	53.8	12.1	30.7

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(Unit:Person)										
Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire-ction	Vehicle Type					Total
					PC	LB	MB	HB	PP	
74	4024092	23	103	IN	5.0	14.5	29.5	70.7	14.6	27.0
				OUT	5.2	16.0	29.0	71.4	14.7	24.4
				BOTH	5.1	14.7	29.3	71.1	14.6	25.6
75	4024120	201	800	IN	5.1	15.0	30.0	73.2	15.0	23.5
				OUT	5.1	15.0	17.9	75.5	15.0	23.3
				BOTH	5.1	15.0	19.4	74.4	15.0	23.4
76	4024160	2	1100	IN	5.0	13.8	20.0	53.8	12.4	24.1
				OUT	5.0	14.3	27.6	55.1	11.5	21.2
				BOTH	5.0	14.1	26.8	54.4	11.9	22.6
77	4034061	205	702	IN	5.0	12.0	30.0	60.0	12.7	25.4
				OUT	5.1	12.0	60.0	60.4	14.7	21.7
				BOTH	5.0	12.0	51.4	60.2	14.4	23.1
78	4034062	202	301	IN	4.8	12.0	27.5	60.0	14.4	19.3
				OUT	4.6	12.0	27.0	60.0	12.7	21.2
				BOTH	4.7	12.0	27.2	60.0	13.7	20.2
79	4044080	212	1302	IN	5.0	14.4	30.0	52.4	10.7	21.9
				OUT	5.0	13.7	27.5	52.8	11.7	21.5
				BOTH	5.0	14.0	29.0	52.6	11.1	21.7
80	4044130	22	502	IN	5.0	13.6	22.8	50.1	11.4	20.2
				OUT	5.0	14.4	30.0	52.8	11.5	19.4
				BOTH	5.0	14.0	26.4	51.3	11.5	19.8
81	4054160	2	1303	IN	5.0	13.6	18.5	53.8	12.0	16.1
				OUT	5.0	14.1	30.0	51.4	12.9	16.1
				BOTH	5.0	13.9	25.4	52.5	12.5	16.1
82	4064071	24	300	IN	4.7	13.1	10.0	57.8	12.2	18.8
				OUT	5.0	14.0	30.0	57.7	14.6	20.1
				BOTH	4.9	13.5	20.0	57.7	13.5	19.5
83	4064072	226	400	IN	6.3	12.1	15.0	50.1	13.0	14.2
				OUT	5.0	13.1	22.5	51.9	11.7	12.2
				BOTH	5.5	12.6	20.0	50.9	12.7	13.1
84	4074141	226	600	IN	4.6	14.2	17.8	38.3	9.6	10.3
				OUT	5.0	14.1	15.0	36.6	13.5	13.2
				BOTH	4.8	14.2	17.4	37.3	11.4	11.6
85	4074142	219	400	IN	5.1	15.0	30.0	77.0	15.0	36.9
				OUT	5.2	15.0	17.5	75.0	13.8	32.9
				BOTH	5.2	15.0	21.7	76.0	14.2	34.8
86	4084100	212	1400	IN	5.0	15.9	36.7	54.1	11.5	24.4
				OUT	4.5	12.4	32.0	53.7	11.7	22.4
				BOTH	4.8	14.2	34.3	53.9	11.6	23.5
87	4094111	23	303	IN	5.1	10.0	23.3	76.2	15.0	31.8
				OUT	5.0	12.0	20.0	78.7	14.7	28.1
				BOTH	5.0	11.5	22.5	77.2	14.9	30.1
88	4094112	202	700	IN	5.4	13.8	27.9	71.7	15.0	23.2
				OUT	5.1	12.9	21.7	76.0	14.5	31.6
				BOTH	5.3	13.2	24.3	74.4	14.8	27.4
89	4104110	23	501	IN	5.0	12.0	24.3	67.1	13.4	19.9
				OUT	5.0	15.0	23.3	69.0	15.0	20.9
				BOTH	5.0	13.5	24.1	68.1	14.1	20.4
90	4104170	23	600	IN	4.9	12.4	30.0	49.9	12.0	20.0
				OUT	4.9	14.3	30.0	52.9	11.4	21.8
				BOTH	4.9	13.4	30.0	51.3	11.7	20.8

(Unit:Person)										
Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire-ction	Vehicle Type					Total
					PC	LB	MB	HB	PP	
91	4114140	214	500	IN	5.0	15.0	23.8	80.0	13.8	21.5
				OUT	5.1	15.0	73.3	80.0	14.5	24.1
				BOTH	5.0	15.0	45.0	80.0	14.1	22.7
92	4124160	210	302	IN	5.0	13.9	22.3	56.3	11.2	24.7
				OUT	5.0	13.9	23.6	56.3	12.1	23.4
				BOTH	5.0	13.9	23.2	56.3	11.7	24.0
93	4134160	22	301	IN	5.0	12.0	30.0	77.4	14.4	26.3
				OUT	5.2	15.0	65.0	80.0	14.5	26.9
				BOTH	5.1	13.5	60.6	78.7	14.4	26.6
94	4144150	226	800	IN	5.0	12.8	21.7	48.8	12.2	16.1
				OUT	4.8	15.3	20.7	49.9	9.5	15.2
				BOTH	4.9	14.1	21.4	49.4	10.6	15.6
95	4154170	226	1200	IN	5.0	13.7	23.5	46.1	11.1	13.7
				OUT	5.0	13.8	27.0	47.8	11.9	14.4
				BOTH	5.0	13.8	25.3	47.0	11.5	14.0
96	5015050	323	103	IN	4.9	13.8	23.5	77.5	12.9	18.0
				OUT	4.8	13.0	20.9	69.9	12.1	15.5
				BOTH	4.9	13.2	22.3	73.7	12.4	16.7
97	5015060	324	202	IN	4.8	10.0	25.0	56.9	13.2	15.9
				OUT	4.7	15.0	20.0	27.4	12.4	12.5
				BOTH	4.8	13.3	21.0	43.0	12.8	14.3
98	5025050	4	302	IN	4.9	10.0	27.5	78.3	12.2	44.0
				OUT	4.7	10.0	18.3	58.0	12.8	40.6
				BOTH	4.8	10.0	22.0	65.5	12.5	42.1
99	5025060	321	202	IN	4.9	10.7	23.9	55.2	11.8	16.1
				OUT	5.0	14.1	25.0	53.7	13.3	19.9
				BOTH	5.0	11.9	24.2	54.3	12.7	18.1
100	5035040	4	800	IN	5.1	12.4	21.1	50.0	14.5	15.6
				OUT	5.0	13.1	22.5	48.6	14.9	18.2
				BOTH	5.0	12.5	21.4	49.3	14.7	16.7
101	5036020	4	1400	IN	5.1	12.6	20.0	60.8	12.1	14.1
				OUT	4.9	13.7	20.0	63.2	11.4	13.2
				BOTH	5.0	13.2	20.0	62.0	11.7	13.6
103	5055081	35	300	IN	5.0	13.8	16.0	55.8	13.0	24.1
				OUT	4.9	12.4	16.0	55.4	13.1	23.4
				BOTH	5.0	12.7	16.0	55.5	13.0	23.7
104	5055082	325	200	IN	5.0	14.1	19.6	58.4	15.0	17.4
				OUT	4.6	13.3	22.9	27.0	11.5	11.5
				BOTH	4.8	13.7	20.8	45.7	13.2	14.6
105	5075080	35	201	IN	4.8	14.1	25.0	30.0	12.9	13.2
				OUT	5.0	14.7	17.7	55.3	15.0	16.7
				BOTH	4.9	14.5	20.0	42.3	13.7	15.0
106	6016030	4	3500	IN	5.2	12.9	25.0	56.0	11.1	13.0
				OUT	5.5	13.5	15.0	60.0	10.3	11.3
				BOTH	5.4	13.4	21.7	57.4	10.7	12.2
107	6016070	4	3200	IN	5.1	14.4	20.0	85.0	12.6	13.2
				OUT	5.1	13.7	25.3	63.4	13.0	14.4
				BOTH	5.1	13.9	24.6	69.9	12.8	13.9
108	6016140	4035	200	IN	5.2	14.1	18.3	48.7	12.6	13.6
				OUT	5.0	15.0	25.5	56.3	14.3	15.2
				BOTH	5.1	14.5	23.5	53.0	13.3	14.4

Appendix 6.12 AVERAGE CAPACITY OF PASSENGER VEHICLES -- 1990

(Unit: Person)

Seq	Survey Route Station Code	Route No.	Ctl' Sect.	Dire- ction	Vehicle Type					Total
					PC	LB	MB	HB	PP	
109	6026100	4	1800	IN	5.2	12.9	27.0	79.7	13.1	14.1
				OUT	5.0	13.6	14.4	61.2	12.9	13.5
				BOTH	5.1	13.1	18.9	70.4	13.0	13.8
110	6026140	41	300	IN	5.0	14.4	18.8	49.2	14.7	11.6
				OUT	5.0	14.5	20.0	51.6	14.5	11.1
				BOTH	5.0	14.5	19.4	50.3	14.6	11.4
111	6036040	403	302	IN	5.0	14.8	20.0	51.9	14.7	10.4
				OUT	5.1	14.6	29.2	50.2	14.9	13.0
				BOTH	5.1	14.8	26.1	51.1	14.9	11.5
112	6036060	4	3800	IN	5.3	13.3	30.0	59.4	12.7	12.5
				OUT	5.4	12.7	56.3	60.0	11.8	11.6
				BOTH	5.4	12.9	51.0	59.7	12.4	12.1
113	6046060	41	1100	IN	5.2	15.0	20.0	46.9	14.8	13.1
				OUT	5.1	15.0	20.0	50.5	15.0	12.2
				BOTH	5.1	15.0	20.0	48.7	14.9	12.7
114	6046120	408	302	IN	5.2	14.9	0.0	51.4	14.9	13.5
				OUT	5.1	14.5	40.0	53.6	14.8	13.9
				BOTH	5.2	14.7	40.0	52.6	14.9	13.7
115	6046141	41	800	IN	5.1	12.8	0.0	60.0	12.2	10.9
				OUT	5.0	13.5	40.0	60.0	12.9	11.8
				BOTH	5.1	13.0	40.0	60.0	12.6	11.4
116	6046142	401	801	IN	5.2	14.8	12.0	58.1	12.0	12.6
				OUT	5.2	14.7	22.5	59.8	12.7	13.9
				BOTH	5.2	14.7	19.0	59.0	12.4	13.3
117	6056080	42	701	IN	5.1	14.8	40.0	52.7	14.3	12.9
				OUT	5.1	13.5	25.0	42.0	14.7	13.0
				BOTH	5.1	14.1	37.0	46.8	14.7	12.9
118	6066120	4	4100	IN	5.0	13.7	25.0	48.9	15.0	12.1
				OUT	5.2	14.5	17.0	60.4	12.6	12.3
				BOTH	5.1	14.2	19.3	54.2	13.2	12.2
119	6076100	4	2300	IN	5.1	14.6	0.0	58.5	12.1	14.4
				OUT	5.2	14.5	20.0	61.2	12.0	15.9
				BOTH	5.1	14.5	20.0	60.1	12.1	15.4
120	6076110	402	101	IN	5.0	14.8	20.8	53.7	14.4	15.5
				OUT	5.1	14.3	21.0	52.1	14.9	15.3
				BOTH	5.1	14.6	20.9	52.8	14.6	15.4
121	6086090	410	102	IN	5.3	13.9	19.2	60.0	11.4	14.5
				OUT	5.1	14.6	15.8	60.0	12.9	16.1
				BOTH	5.2	14.1	17.5	60.0	12.3	15.3
122	6086120	4086	300	IN	5.1	14.8	25.0	52.9	14.9	10.5
				OUT	5.3	15.0	15.0	53.0	14.3	7.9
				BOTH	5.2	14.9	21.7	52.9	14.8	9.4
123	6126130	406	200	IN	5.1	13.9	15.0	60.0	13.0	13.4
				OUT	5.4	13.8	20.0	60.0	11.4	12.1
				BOTH	5.3	13.8	16.7	60.0	12.2	12.8

Appendix 6.13 AVERAGE OCCUPANCY OF PASSENGER VEHICLES - 1990

(Unit: Person)

Seq	Survey Route Station Code	No.	Sect.	Dire-ction	Vehicle Type					
					PC	LB	HB	HB	PP	Total
1	101030	340	201	IN	2.5	6.5	3.4	49.2	4.4	11.5
				OUT	1.8	6.5	16.7	27.0	3.3	8.8
				BOTH	2.3	6.5	6.2	38.5	3.8	10.4
2	101071	303	100	IN	1.7	7.8	20.2	29.5	2.3	17.7
				OUT	1.9	3.6	7.7	35.5	2.3	12.9
				BOTH	1.8	4.0	10.6	31.8	2.3	15.2
3	101072	3	200	IN	1.8	3.7	8.6	27.9	2.6	6.2
				OUT	2.0	5.4	13.6	24.7	2.7	6.9
				BOTH	1.9	4.5	11.2	26.2	2.7	6.5
4	103020	304	202	IN	2.3	4.5	4.0	34.3	3.2	5.6
				OUT	2.2	4.3	14.7	20.4	3.0	4.2
				BOTH	2.2	4.4	10.4	27.1	3.1	4.9
5	105071	4	100	IN	2.0	3.5	9.3	47.5	2.3	17.2
				OUT	1.9	3.1	4.0	30.1	2.3	9.5
				BOTH	1.9	3.3	6.3	39.1	2.3	13.0
6	105072	35	100	IN	2.8	6.5	14.2	49.9	3.3	13.0
				OUT	2.7	2.0	8.1	54.3	3.2	10.3
				BOTH	2.7	6.1	11.0	51.3	3.3	11.9
8	1022111	1	900	IN	2.6	3.6	6.0	49.2	3.2	10.7
				OUT	2.5	3.5	26.3	48.0	2.6	7.5
				BOTH	2.5	3.5	19.5	48.6	2.9	8.9
9	1022112	1	1101	IN	3.1	8.8	20.0	40.1	3.8	7.9
				OUT	2.8	3.9	20.6	26.7	3.7	7.5
				BOTH	3.0	6.1	20.5	32.6	3.8	7.7
10	1025060	340	600	IN	2.9	6.5	4.0	42.8	3.4	5.2
				OUT	2.8	10.2	12.7	28.1	3.6	4.7
				BOTH	2.9	9.3	10.5	33.4	3.6	4.9
11	1031040	346	300	IN	2.3	3.4	6.0	20.5	3.0	4.2
				OUT	2.4	3.4	10.3	18.1	2.6	3.8
				BOTH	2.3	3.4	9.3	19.3	2.8	4.0
14	1043050	305	102	IN	2.7	4.8	8.3	20.8	3.9	4.5
				OUT	2.2	7.0	16.7	27.2	3.4	4.8
				BOTH	2.5	5.2	12.9	24.5	3.7	4.6
15	1051080	311	100	IN	2.8	4.5	20.0	30.1	5.6	7.2
				OUT	2.2	2.2	14.0	24.9	2.6	4.7
				BOTH	2.5	4.1	17.0	27.7	4.0	6.0
16	1051101	309	302	IN	2.4	6.4	20.1	17.0	2.8	4.9
				OUT	2.6	5.5	5.6	20.6	2.9	4.9
				BOTH	2.5	6.1	14.1	19.0	2.9	4.9
17	1051102	32	500	IN	2.8	4.8	9.5	38.4	3.6	12.2
				OUT	3.1	4.2	4.8	51.0	3.6	11.6
				BOTH	3.0	4.6	6.9	42.6	3.6	12.0
18	1052110	11	101	IN	2.5	2.9	20.0	69.0	2.7	6.7
				OUT	3.2	5.0	18.0	53.7	4.4	8.2
				BOTH	2.9	3.5	19.0	60.5	3.5	7.4
19	1061081	1	500	IN	2.3	3.4	1.5	50.5	2.8	8.5
				OUT	2.2	3.4	2.0	40.1	2.8	8.3
				BOTH	2.2	3.4	1.7	43.8	2.8	8.4
20	1061082	21	200	IN	2.9	5.1	10.5	41.1	3.0	6.1
				OUT	2.9	4.6	12.0	43.8	4.0	7.1
				BOTH	2.9	4.7	11.5	42.5	3.5	6.6

(Unit: Person)

Seq	Survey Route Station Code	No.	Sect.	Dire-ction	Vehicle Type					
					PC	LB	HB	HB	PP	Total
21	1061090	1	301	IN	2.4	7.7	19.0	50.5	3.8	42.7
				OUT	3.4	5.0	12.5	50.8	4.3	41.3
				BOTH	2.9	6.0	17.1	50.7	4.1	42.0
22	1063050	33	101	IN	2.5	6.8	22.1	47.1	3.1	12.3
				OUT	2.2	3.2	15.5	31.2	3.0	12.0
				BOTH	2.3	4.6	21.5	37.6	3.1	12.2
23	1064060	2	101	IN	2.6	4.0	2.9	48.8	3.1	10.9
				OUT	3.1	4.4	15.5	58.9	5.5	17.1
				BOTH	2.9	4.2	6.1	54.5	4.1	13.9
24	1073021	34	100	IN	2.8	5.4	10.8	41.6	4.0	15.4
				OUT	2.5	4.7	5.6	44.7	3.6	12.5
				BOTH	2.6	5.1	7.7	43.1	3.8	13.7
25	1073022	3	301	IN	2.2	9.0	20.5	44.1	3.1	11.8
				OUT	2.1	5.0	15.0	33.9	2.9	8.5
				BOTH	2.1	5.9	18.0	40.0	3.0	10.3
26	1082090	21	501	IN	2.8	4.1	8.4	50.7	3.5	9.0
				OUT	2.7	4.3	1.8	48.5	3.2	9.0
				BOTH	2.7	4.2	6.4	49.6	3.4	9.0
27	1082110	1	700	IN	3.1	5.3	2.5	35.8	3.2	7.3
				OUT	3.1	0.0	20.5	22.1	3.6	6.7
				BOTH	3.1	5.3	18.8	29.5	3.4	7.0
28	1084030	205	501	IN	2.8	2.0	10.0	33.1	4.0	8.6
				OUT	2.8	2.0	17.0	25.3	3.1	6.5
				BOTH	2.8	2.0	14.7	29.7	3.6	7.6
29	2012040	1	1600	IN	3.1	8.2	15.1	40.2	4.4	7.5
				OUT	3.1	9.0	19.0	28.7	4.0	7.3
				BOTH	3.1	8.6	17.1	33.5	4.2	7.4
30	2012070	115	200	IN	2.9	8.8	10.0	33.6	5.6	7.2
				OUT	2.3	20.0	2.0	32.3	5.0	6.5
				BOTH	2.6	10.4	6.0	33.0	5.3	6.9
31	2012110	1	1301	IN	2.7	5.4	15.0	19.1	3.2	5.8
				OUT	2.9	1.0	10.0	54.5	3.4	8.5
				BOTH	2.9	5.0	14.0	33.1	3.3	7.2
32	2012150	101	301	IN	2.2	8.4	12.0	30.1	3.6	6.8
				OUT	2.1	9.1	9.9	45.9	3.2	8.0
				BOTH	2.2	8.7	10.7	38.2	3.4	7.4
33	2022030	1019	200	IN	3.8	11.5	0.0	44.8	4.2	7.2
				OUT	3.4	10.2	15.0	29.2	3.8	5.6
				BOTH	3.5	10.9	15.0	37.3	4.0	6.4
34	2022060	1	2903	IN	2.8	3.2	1.0	46.3	3.6	6.3
				OUT	3.0	6.6	9.0	44.4	4.3	10.4
				BOTH	2.9	5.0	5.0	45.0	3.9	8.2
35	2032120	106	602	IN	2.1	22.5	43.9	61.0	2.8	12.5
				OUT	2.1	22.8	39.7	50.0	2.7	13.0
				BOTH	2.1	22.7	41.6	55.5	2.7	12.7
36	2032140	108	500	IN	2.8	6.2	13.7	33.8	4.1	5.5
				OUT	2.9	12.2	0.0	23.8	3.6	5.0
				BOTH	2.9	10.6	13.7	28.8	3.8	5.2
37	2042130	1	1901	IN	3.4	8.4	26.0	38.7	3.4	6.8
				OUT	3.3	10.4	13.8	34.0	4.1	6.3
				BOTH	3.3	9.6	17.3	36.3	3.8	6.5

Appendix 6.13 AVERAGE OCCUPANCY OF PASSENGER VEHICLES - 1990

(Unit:Person)

Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire- ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
38	2052100	101	1100	IN	2.7	5.0	2.0	52.7	2.8	9.2
				OUT	2.2	4.3	40.3	49.0	3.5	8.4
				BOTH	2.5	4.6	25.0	51.2	3.1	8.8
39	2062130	1	2603	IN	3.1	7.5	11.0	44.0	3.5	6.7
				OUT	3.0	7.6	0.0	33.9	3.8	8.7
				BOTH	3.0	7.5	11.0	36.9	3.6	7.8
40	2072081	117	400	IN	2.1	3.1	1.0	43.1	3.4	6.9
				OUT	2.1	3.6	1.0	57.8	3.4	7.9
				BOTH	2.1	3.3	1.0	50.2	3.4	7.4
41	2072082	11	502	IN	3.3	12.8	15.5	31.2	5.3	7.7
				OUT	3.7	3.0	8.0	30.1	5.6	6.8
				BOTH	3.5	10.0	13.0	30.7	5.4	7.2
42	2072090	113	202	IN	2.3	2.5	3.3	49.0	2.9	7.2
				OUT	2.2	4.5	43.3	49.6	2.4	5.4
				BOTH	2.3	3.7	23.3	49.3	2.6	6.2
43	2072111	117	200	IN	2.7	2.8	2.0	46.4	3.5	8.7
				OUT	3.1	3.7	9.3	50.1	4.2	7.2
				BOTH	2.9	3.1	8.3	47.8	3.9	7.9
44	2072112	11	201	IN	2.8	1.0	11.0	28.7	3.3	6.3
				OUT	2.8	4.0	20.0	45.2	4.0	7.0
				BOTH	2.8	2.5	15.5	35.9	3.7	6.7
45	2082150	12	400	IN	1.9	2.5	46.8	56.5	2.7	9.0
				OUT	2.8	3.9	47.3	47.7	3.9	10.3
				BOTH	2.3	3.3	47.1	51.6	3.3	9.6
46	2082170	11	700	IN	3.0	8.3	20.0	19.3	4.0	5.7
				OUT	3.3	6.8	20.0	44.0	3.7	6.4
				BOTH	3.1	7.3	20.0	27.3	3.8	6.0
47	2094020	12	1000	IN	2.9	10.3	16.2	33.0	7.5	9.6
				OUT	3.2	13.0	14.0	27.9	9.0	9.1
				BOTH	3.1	11.4	15.4	30.2	7.7	9.3
48	2094030	225	600	IN	1.9	4.6	3.0	80.0	4.3	8.6
				OUT	3.1	3.7	15.8	41.4	3.7	9.3
				BOTH	2.6	4.2	13.7	50.0	4.0	9.0
49	2094120	203	202	IN	2.2	9.7	19.6	30.4	2.2	9.8
				OUT	3.0	8.4	12.6	32.1	2.0	8.9
				BOTH	2.6	8.9	15.6	31.3	2.1	9.3
50	2102131	103	100	IN	2.9	4.3	4.0	44.0	4.5	7.0
				OUT	2.9	5.6	1.0	46.9	3.8	7.0
				BOTH	2.9	4.7	3.0	45.5	4.2	7.0
51	2102132	11	1200	IN	2.9	10.7	9.5	49.6	3.9	5.4
				OUT	3.2	12.0	2.0	51.9	3.9	5.5
				BOTH	3.0	11.0	5.8	50.8	3.9	5.4
52	2102150	101	700	IN	3.4	11.6	19.0	40.0	3.7	5.5
				OUT	3.0	6.4	11.2	38.3	3.1	4.5
				BOTH	3.2	8.7	15.5	38.8	3.4	5.0
53	2122130	11	1300	IN	2.5	5.4	7.1	42.1	2.9	7.2
				OUT	2.8	13.8	1.7	47.5	3.6	9.4
				BOTH	2.6	10.0	6.3	44.6	3.3	8.3
54	2152170	102	100	IN	2.2	6.0	37.1	42.1	2.9	8.2
				OUT	2.3	6.0	25.4	43.2	2.9	6.3
				BOTH	2.3	6.0	32.3	42.6	2.9	7.2

(Unit:Person)

Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire- ction	Vehicle Type					
					PC	LB	MB	HB	PP	Total
55	3013040	3	1300	IN	3.0	7.8	40.0	50.4	2.4	4.2
				OUT	3.3	5.7	3.0	44.2	2.8	4.9
				BOTH	3.2	6.9	12.3	46.5	2.6	4.5
56	3013060	317	302	IN	2.4	5.6	17.0	31.3	3.1	7.9
				OUT	3.2	7.6	17.8	42.3	3.2	8.5
				BOTH	2.9	6.5	17.4	36.2	3.1	8.2
58	3023031	3	402	IN	2.2	7.5	40.4	43.8	4.8	38.8
				OUT	2.7	5.7	12.2	39.7	5.3	23.3
				BOTH	2.6	5.8	38.0	41.4	5.1	28.5
59	3023032	315	200	IN	2.7	6.6	16.4	32.7	3.3	5.8
				OUT	2.6	5.2	9.5	29.6	3.3	5.2
				BOTH	2.7	6.0	14.5	31.3	3.3	5.5
60	3023033	331	400	IN	2.9	8.1	14.5	40.3	3.6	5.2
				OUT	2.9	6.9	8.0	36.1	3.6	5.6
				BOTH	2.9	7.5	11.3	38.0	3.6	5.4
61	3023061	319	200	IN	2.5	3.8	7.4	51.9	4.4	5.4
				OUT	2.3	3.6	3.0	36.3	3.1	4.4
				BOTH	2.4	3.7	6.9	43.3	3.8	5.0
62	3023062	304	400	IN	2.5	4.6	5.0	50.2	3.0	7.3
				OUT	2.8	6.4	12.0	48.3	3.4	8.0
				BOTH	2.7	5.5	6.2	49.3	3.1	7.7
63	3033071	3	800	IN	2.6	5.0	3.0	38.9	2.3	5.3
				OUT	2.4	4.4	3.0	28.6	2.2	4.9
				BOTH	2.5	4.8	3.0	33.6	2.3	5.2
64	3033072	36	200	IN	2.6	5.6	15.5	37.5	2.3	4.0
				OUT	2.5	4.3	4.0	37.0	3.1	4.4
				BOTH	2.6	5.0	9.8	37.2	2.7	4.2
65	3033073	344	300	IN	2.6	6.2	16.8	45.0	2.2	5.7
				OUT	2.8	5.0	14.8	38.7	2.7	5.8
				BOTH	2.7	5.8	15.8	41.8	2.4	5.7
67	3064060	304	700	IN	2.5	8.6	17.3	39.6	2.9	7.3
				OUT	2.8	6.5	12.8	36.9	2.8	7.1
				BOTH	2.7	7.5	14.5	38.3	2.9	7.2
68	4014090	213	102	IN	2.5	6.6	25.0	32.0	2.9	12.6
				OUT	2.2	5.3	19.0	36.8	2.8	13.9
				BOTH	2.3	5.9	20.5	34.3	2.8	13.2
69	4014110	214	200	IN	2.7	10.5	14.9	35.9	4.7	10.7
				OUT	2.4	4.7	21.7	27.6	3.9	9.4
				BOTH	2.6	7.6	18.7	32.3	4.5	10.2
70	4014130	213	303	IN	2.7	8.0	22.3	65.3	5.5	14.8
				OUT	2.8	10.4	16.9	61.3	5.1	13.2
				BOTH	2.7	10.0	18.0	63.0	5.3	13.8
71	4024030	201	702	IN	2.7	4.5	21.8	43.1	5.5	13.6
				OUT	2.6	1.0	19.5	51.3	2.5	12.6
				BOTH	2.7	3.3	20.5	45.5	3.4	13.2
72	4024060	2	702	IN	2.4	4.0	11.0	38.9	3.4	15.4
				OUT	2.6	5.8	1.0	68.2	4.7	21.0
				BOTH	2.5	5.2	7.7	51.3	4.0	18.1
73	4024091	208	102	IN	2.4	8.3	12.6	39.7	2.9	21.4
				OUT	2.7	8.4	18.8	45.3	3.3	22.5
				BOTH	2.5	8.4	15.3	42.5	3.2	22.0

Appendix 6.13 AVERAGE OCCUPANCY OF PASSENGER VEHICLES -- 1990

Seq	Survey Station Code	Route No.	Ctl' Sect.	Dire-ction	(Unit:Person)					
					Vehicle Type					
					PC	LB	HB	HB	PP	Total
74	4024092	23	103	IN	2.5	8.5	19.0	53.6	4.3	17.9
				OUT	3.5	11.0	21.7	68.1	9.1	21.5
				BOTH	3.2	8.9	20.1	61.2	6.2	19.8
75	4024120	201	800	IN	3.1	5.0	15.0	57.7	4.6	17.2
				OUT	2.8	2.5	17.1	67.1	5.8	18.6
				BOTH	3.0	3.3	16.9	62.4	5.4	18.0
76	4024160	2	1100	IN	2.2	3.5	2.0	40.1	3.0	15.7
				OUT	2.6	7.2	23.1	43.2	3.0	14.3
				BOTH	2.4	6.2	21.0	41.5	3.0	15.0
77	4034061	205	702	IN	2.5	3.7	17.5	27.4	4.9	11.6
				OUT	2.3	3.7	29.0	30.8	3.2	8.4
				BOTH	2.4	3.7	25.7	29.1	3.4	9.5
78	4034062	202	301	IN	2.5	6.5	20.3	28.6	7.3	9.8
				OUT	2.6	2.0	19.6	26.3	4.8	9.8
				BOTH	2.5	4.3	19.9	27.4	6.2	9.8
79	4044080	212	1302	IN	2.5	8.2	20.0	37.8	2.5	13.5
				OUT	2.4	4.9	20.0	35.0	2.5	11.9
				BOTH	2.5	6.5	20.0	36.5	2.5	12.7
80	4044130	22	502	IN	2.5	6.9	18.1	29.3	2.8	11.0
				OUT	2.6	7.0	18.2	26.7	3.9	9.4
				BOTH	2.5	7.0	18.2	28.2	3.4	10.2
81	4054160	2	1303	IN	2.2	4.2	12.5	30.3	3.0	7.5
				OUT	2.5	5.2	20.0	29.8	2.7	7.5
				BOTH	2.3	4.8	17.0	30.0	2.8	7.5
82	4064071	24	300	IN	2.5	4.5	1.5	37.7	2.9	8.7
				OUT	2.6	3.8	11.0	39.8	3.8	9.6
				BOTH	2.5	4.3	6.3	38.8	3.4	9.2
83	4064072	226	400	IN	3.1	4.8	11.5	30.9	3.3	5.1
				OUT	2.7	6.3	16.3	29.2	2.8	4.2
				BOTH	2.8	5.5	14.7	30.1	3.2	4.6
84	4074141	226	600	IN	1.9	8.0	6.8	28.8	2.5	4.5
				OUT	2.3	6.6	8.0	27.5	3.0	5.3
				BOTH	2.1	7.4	7.0	28.0	2.7	4.8
85	4074142	219	400	IN	2.6	3.5	17.5	51.5	7.1	23.8
				OUT	3.0	15.0	13.5	50.3	3.3	20.7
				BOTH	2.8	7.3	14.8	50.9	4.5	22.1
86	4084100	212	1400	IN	2.5	7.9	12.3	36.6	2.8	13.9
				OUT	2.5	4.9	15.0	39.7	2.8	13.6
				BOTH	2.5	6.4	13.7	37.9	2.8	13.8
87	4094111	23	303	IN	2.5	3.0	12.3	49.1	4.5	19.5
				OUT	2.8	4.7	2.0	66.1	4.9	22.2
				BOTH	2.7	4.3	9.8	56.4	4.6	20.8
88	4094112	202	700	IN	3.7	8.6	22.8	60.5	5.5	17.0
				OUT	2.7	4.7	14.9	43.9	4.2	17.5
				BOTH	3.3	5.8	18.2	50.1	5.0	17.2
89	4104110	23	501	IN	2.4	4.0	10.5	46.8	3.6	11.8
				OUT	2.4	12.0	4.3	51.4	4.0	13.6
				BOTH	2.4	8.0	9.5	49.2	3.8	12.6
90	4104170	23	600	IN	2.5	5.3	7.5	34.9	3.1	11.7
				OUT	2.9	7.6	19.7	33.8	4.0	13.0
				BOTH	2.7	6.4	11.6	34.3	3.5	12.3

Seq	Survey Station Code	Route No.	Ctl' Sect.	Dire-ction	(Unit:Person)					
					Vehicle Type					
					PC	LB	MB	HB	PP	Total
91	4114140	214	500	IN	3.3	7.9	16.8	31.4	6.2	9.8
				OUT	2.8	4.0	46.7	45.4	5.0	12.8
				BOTH	3.1	7.1	29.6	37.9	5.6	11.1
92	4124160	210	302	IN	2.6	7.2	8.3	33.2	2.5	13.2
				OUT	2.2	5.8	12.1	35.5	2.4	12.8
				BOTH	2.4	6.3	11.0	34.3	2.5	13.0
93	4134160	22	301	IN	2.4	2.0	7.0	34.0	5.7	11.5
				OUT	2.7	1.0	39.3	39.0	3.4	13.3
				BOTH	2.6	1.5	35.3	36.6	5.0	12.5
94	4144150	226	800	IN	2.3	5.2	12.8	34.3	3.7	9.4
				OUT	2.4	4.7	15.9	32.3	2.2	8.2
				BOTH	2.3	4.9	13.9	33.3	2.8	8.8
95	4154170	226	1200	IN	2.5	4.0	13.7	29.2	3.0	6.9
				OUT	2.7	3.1	15.5	30.7	3.0	7.0
				BOTH	2.6	3.4	14.6	29.9	3.0	6.9
96	5015050	323	103	IN	2.2	5.0	12.7	38.9	2.7	6.9
				OUT	2.3	5.7	6.7	45.1	2.6	6.9
				BOTH	2.3	5.5	10.0	42.0	2.7	6.9
97	5015060	324	202	IN	2.4	3.0	20.0	29.8	3.0	5.4
				OUT	2.3	3.5	6.5	25.4	3.2	4.9
				BOTH	2.4	3.3	9.2	27.7	3.1	5.1
98	5025050	4	302	IN	2.2	2.0	19.0	56.1	2.5	30.2
				OUT	2.2	5.0	12.3	55.8	2.8	37.6
				BOTH	2.2	3.0	15.0	55.9	2.6	34.4
99	5025060	321	202	IN	2.9	6.3	18.5	41.3	3.8	10.0
				OUT	2.5	5.5	13.7	31.8	2.8	9.3
				BOTH	2.8	6.0	17.2	35.5	3.2	9.6
100	5035040	4	800	IN	2.9	4.0	12.2	41.2	3.1	9.4
				OUT	2.6	3.9	5.5	34.4	3.1	9.2
				BOTH	2.8	4.0	10.7	38.0	3.1	9.3
101	5036020	4	1400	IN	3.2	5.7	18.0	31.8	3.2	5.9
				OUT	2.9	4.9	11.7	38.6	3.3	6.1
				BOTH	3.0	5.3	13.3	35.2	3.3	6.0
103	5055081	35	300	IN	2.7	7.5	11.5	37.9	3.8	14.7
				OUT	2.4	5.4	16.5	41.4	3.1	15.3
				BOTH	2.6	6.0	14.0	39.8	3.5	15.0
104	5055082	325	200	IN	2.8	5.6	8.4	22.7	3.4	6.3
				OUT	2.2	3.9	6.6	29.2	3.1	5.7
				BOTH	2.5	4.8	7.7	25.3	3.3	6.0
105	5075080	35	201	IN	2.9	6.8	12.0	31.7	3.8	8.7
				OUT	2.9	4.9	9.2	35.4	4.3	8.9
				BOTH	2.9	5.6	10.1	33.5	4.0	8.8
106	6016030	4	3500	IN	4.2	5.1	12.0	50.8	3.9	8.0
				OUT	4.4	7.1	5.0	48.6	4.0	6.5
				BOTH	4.3	6.8	9.7	50.1	3.9	7.3
107	6016070	4	3200	IN	3.2	7.0	10.0	82.5	2.8	6.3
				OUT	3.4	9.5	13.5	60.4	3.4	8.4
				BOTH	3.3	9.0	13.0	67.1	3.1	7.4
108	6016140	4035	200	IN	2.4	9.9	17.0	46.7	4.6	8.1
				OUT	2.9	11.8	15.1	46.7	4.1	9.2
				BOTH	2.7	10.7	15.6	46.7	4.4	8.6

Appendix 6.13 AVERAGE OCCUPANCY OF PASSENGER VEHICLES — 1990

(Unit:Person)

Seq	Survey Route Station Code	No.	Ctl' Sect.	Dire- ction	Vehicle Type					Total
					PC	LB	MB	HB	PP	
109	6026100	4	1800	IN	3.6	8.0	13.0	59.4	3.7	6.9
				OUT	2.9	8.2	9.7	58.8	3.8	6.9
				BOTH	3.3	8.1	10.9	59.1	3.7	6.9
110	6026140	41	300	IN	3.1	5.2	12.3	47.2	3.4	6.1
				OUT	2.8	4.7	9.3	51.6	4.4	6.5
				BOTH	3.0	4.9	10.8	49.2	3.8	6.3
111	6036040	403	302	IN	3.3	4.8	6.3	38.6	6.0	6.5
				OUT	3.9	3.6	10.7	33.8	4.8	7.5
				BOTH	3.5	4.4	9.2	36.2	5.2	7.0
112	6036060	4	3800	IN	4.3	7.7	18.0	49.4	4.0	6.9
				OUT	4.1	5.6	40.0	49.5	4.1	6.8
				BOTH	4.2	6.4	35.6	49.4	4.0	6.8
113	6046060	41	1100	IN	3.3	4.4	12.2	38.7	3.8	7.9
				OUT	3.2	7.4	12.5	42.4	4.8	8.6
				BOTH	3.3	5.2	12.3	40.6	4.1	8.3
114	6046120	408	302	IN	3.8	10.1	0.0	44.5	3.3	7.0
				OUT	3.1	9.6	40.0	44.8	9.4	10.5
				BOTH	3.5	9.9	40.0	44.7	3.6	8.2
115	6046141	41	800	IN	3.8	6.7	0.0	52.9	4.9	6.3
				OUT	3.4	7.9	40.0	50.8	4.1	5.8
				BOTH	3.6	7.0	40.0	51.7	4.4	6.0
116	6046142	401	801	IN	3.5	7.2	2.0	46.9	4.4	6.9
				OUT	3.6	6.0	5.0	58.9	3.6	7.5
				BOTH	3.6	6.8	4.0	53.3	4.0	7.2
117	6056080	42	701	IN	4.0	6.5	25.6	32.0	3.9	8.1
				OUT	3.7	6.0	14.0	27.5	3.4	5.5
				BOTH	3.8	6.2	23.3	29.5	3.4	6.5
118	6066120	4	4100	IN	3.8	7.4	25.0	47.3	4.6	8.3
				OUT	4.0	7.3	13.2	53.3	3.6	6.7
				BOTH	3.9	7.3	16.6	50.1	3.9	7.3
119	6076100	4	2300	IN	2.8	4.1	0.0	42.1	3.6	7.7
				OUT	3.4	5.5	20.0	53.3	3.3	8.4
				BOTH	3.0	4.7	20.0	48.8	3.3	8.2
120	6076110	402	101	IN	2.8	10.0	18.3	48.5	3.9	10.8
				OUT	2.7	8.5	10.7	47.9	3.5	10.3
				BOTH	2.7	9.2	13.6	48.2	3.7	10.5
121	6086090	410	102	IN	3.6	5.4	12.3	26.9	3.2	6.1
				OUT	3.3	4.6	11.2	39.6	2.9	7.1
				BOTH	3.5	5.1	11.8	33.6	3.0	6.6
122	6086120	4086	300	IN	4.1	7.4	19.0	38.1	3.6	5.1
				OUT	4.4	10.1	1.0	41.8	4.9	5.9
				BOTH	4.3	8.4	13.0	39.9	3.8	5.5
123	6126130	406	200	IN	4.1	7.6	15.0	49.1	3.1	7.0
				OUT	4.6	8.2	25.0	55.7	4.1	8.0
				BOTH	4.4	8.0	18.3	52.4	3.6	7.5

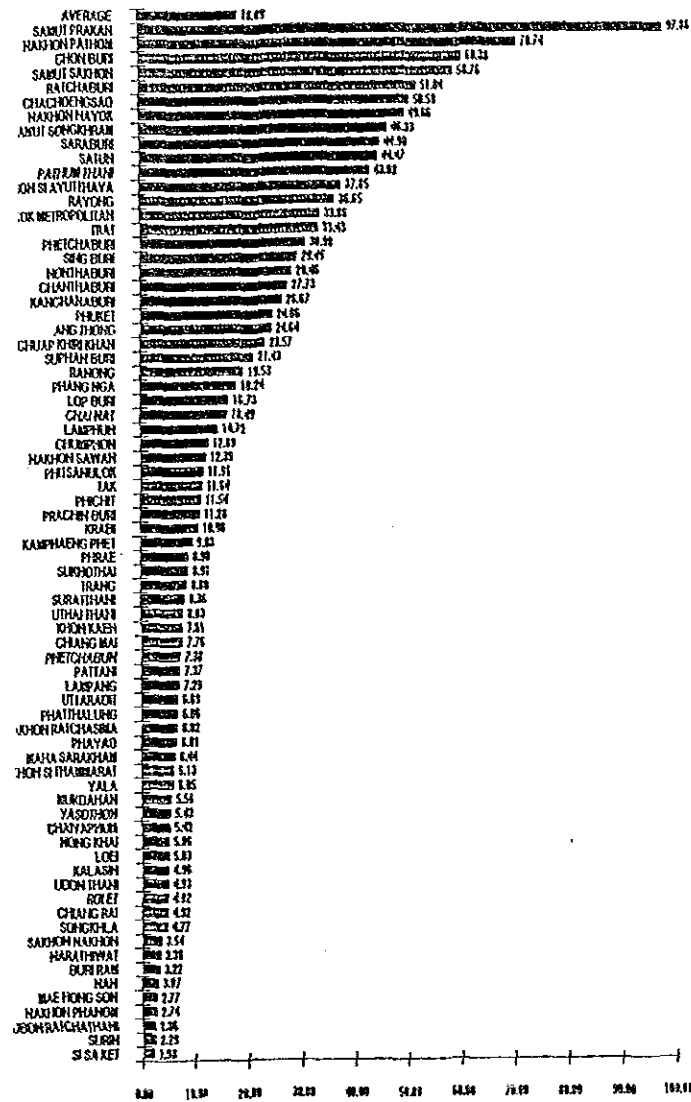
Appendix 6.14 PERCENTAGE OF TRIP PURPOSE -- 1990

(Unit:%)

Seq	Survey Station Code	Route No.	Ctl' Sect.	Dire- ction	Passenger Car				Pickup-Passenger			
					Work	Priv.	Tour	Other	Work	Priv.	Tour	Other
109	6026100	4	1800	IN	20.7	52.3	26.1	0.9	32.4	61.5	4.5	1.7
				OUT	48.1	43.2	7.4	1.2	64.2	28.5	3.6	3.6
				BOTH	32.3	48.4	18.2	1.0	48.9	44.4	4.0	2.7
110	6026140	41	300	IN	18.3	65.6	15.2	0.9	25.9	62.0	9.3	2.8
				OUT	49.7	31.4	18.9	0.0	38.5	43.1	17.7	0.8
				BOTH	33.3	49.3	17.0	0.5	30.6	54.9	12.4	2.0
111	6036040	403	302	IN	29.1	55.1	15.8	0.0	35.0	27.5	35.0	2.5
				OUT	50.4	31.3	15.4	2.9	19.8	52.3	16.3	11.6
				BOTH	37.2	46.0	15.7	1.1	24.6	44.4	22.2	8.7
112	6036060	4	3800	IN	51.4	34.1	14.5	0.0	54.3	37.6	7.8	0.3
				OUT	38.4	51.1	10.4	0.0	37.7	54.1	7.8	0.4
				BOTH	44.7	42.8	12.4	0.0	47.4	44.5	7.8	0.4
113	6046060	41	1100	IN	31.1	46.1	20.9	1.9	51.9	35.8	2.5	9.9
				OUT	30.0	49.4	20.6	0.0	48.5	39.4	9.1	3.0
				BOTH	30.5	47.9	20.7	0.9	50.9	36.8	4.4	7.9
114	6046120	408	302	IN	65.1	30.6	3.6	0.7	51.4	47.2	1.4	0.0
				OUT	35.4	61.0	3.1	0.4	30.8	46.2	23.1	0.0
				BOTH	50.9	45.1	3.4	0.6	50.5	47.2	2.3	0.0
115	6046141	41	800	IN	44.4	46.8	8.7	0.0	44.9	52.1	3.0	0.0
				OUT	30.1	65.4	4.4	0.0	41.0	53.3	5.5	0.3
				BOTH	37.0	56.5	6.5	0.0	42.5	52.8	4.5	0.2
116	6046142	401	801	IN	50.6	39.2	10.2	0.0	46.6	45.8	7.6	0.0
				OUT	55.0	36.1	8.9	0.0	57.5	39.6	2.8	0.0
				BOTH	52.5	37.9	9.6	0.0	52.7	42.4	5.0	0.0
117	6056080	42	701	IN	39.9	57.1	1.5	1.5	64.3	21.4	14.3	0.0
				OUT	59.9	33.3	5.8	1.0	43.2	53.1	2.9	0.8
				BOTH	50.0	45.1	3.7	1.2	44.3	51.4	3.5	0.8
118	6066120	4	4100	IN	51.7	43.5	4.7	0.2	38.3	53.9	7.8	0.0
				OUT	61.1	36.2	2.7	0.0	56.1	42.2	1.7	0.0
				BOTH	56.3	39.8	3.7	0.1	51.5	45.2	3.3	0.0
119	6076100	4	2300	IN	35.2	51.9	13.0	0.0	51.6	45.2	3.2	0.0
				OUT	42.4	36.4	21.2	0.0	44.9	47.1	8.0	0.0
				BOTH	37.9	46.0	16.1	0.0	46.2	46.7	7.1	0.0
120	6076110	402	101	IN	43.8	37.2	19.0	0.0	61.5	29.1	8.8	0.7
				OUT	30.8	42.8	24.4	2.0	48.1	34.6	13.6	3.7
				BOTH	36.9	40.2	21.9	1.1	54.5	31.9	11.3	2.3
121	6086090	410	102	IN	60.6	35.0	4.3	0.0	50.2	47.4	2.4	0.0
				OUT	69.1	30.4	0.5	0.0	61.1	37.5	1.4	0.0
				BOTH	64.3	33.0	2.7	0.0	56.6	41.6	1.8	0.0
122	6086120	4086	300	IN	58.5	36.2	5.4	0.0	42.2	54.2	3.2	0.4
				OUT	56.7	40.8	2.3	0.2	73.8	26.2	0.0	0.0
				BOTH	57.5	38.7	3.7	0.1	46.7	50.2	2.7	0.3
123	6126130	406	200	IN	73.7	22.1	4.2	0.0	57.9	35.3	6.8	0.0
				OUT	54.8	39.1	5.7	0.4	30.8	64.1	5.1	0.0
				BOTH	63.3	31.4	5.0	0.2	45.2	48.8	6.0	0.0

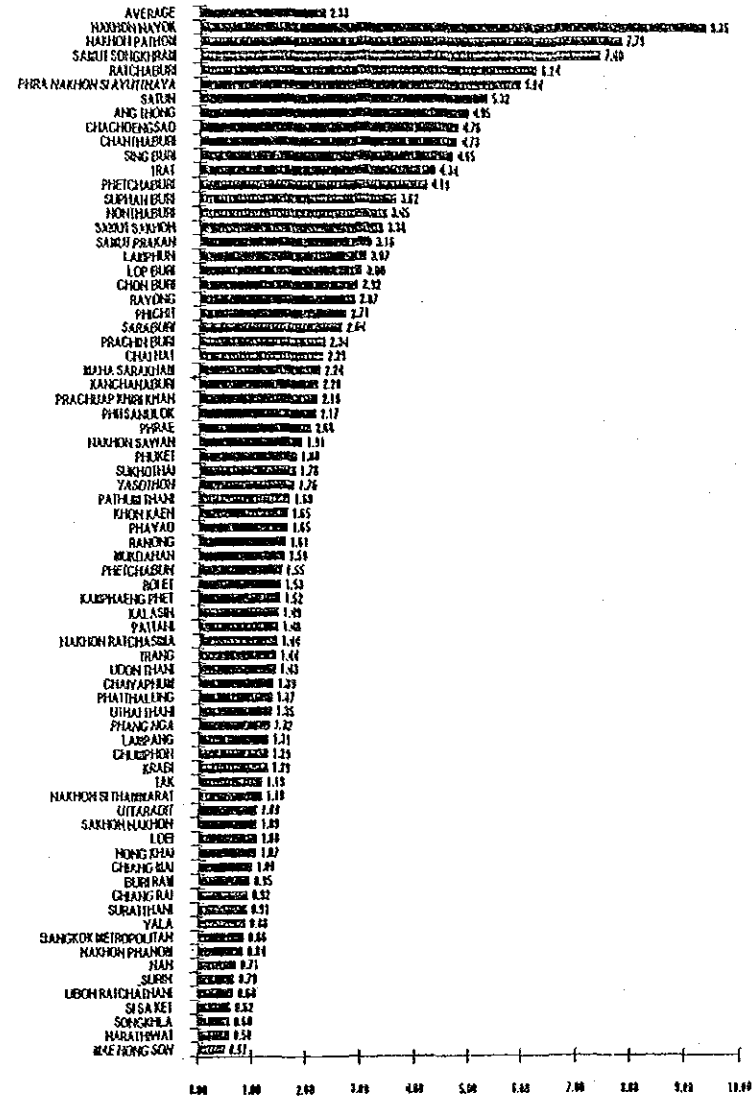
Appendix 6.15 SOSIO-ECONOMIC INDICATIONS AND TRIP GENERATION AND ATTRACTION BY CHANGWAT - 1990

(Trip/1000 person/day)



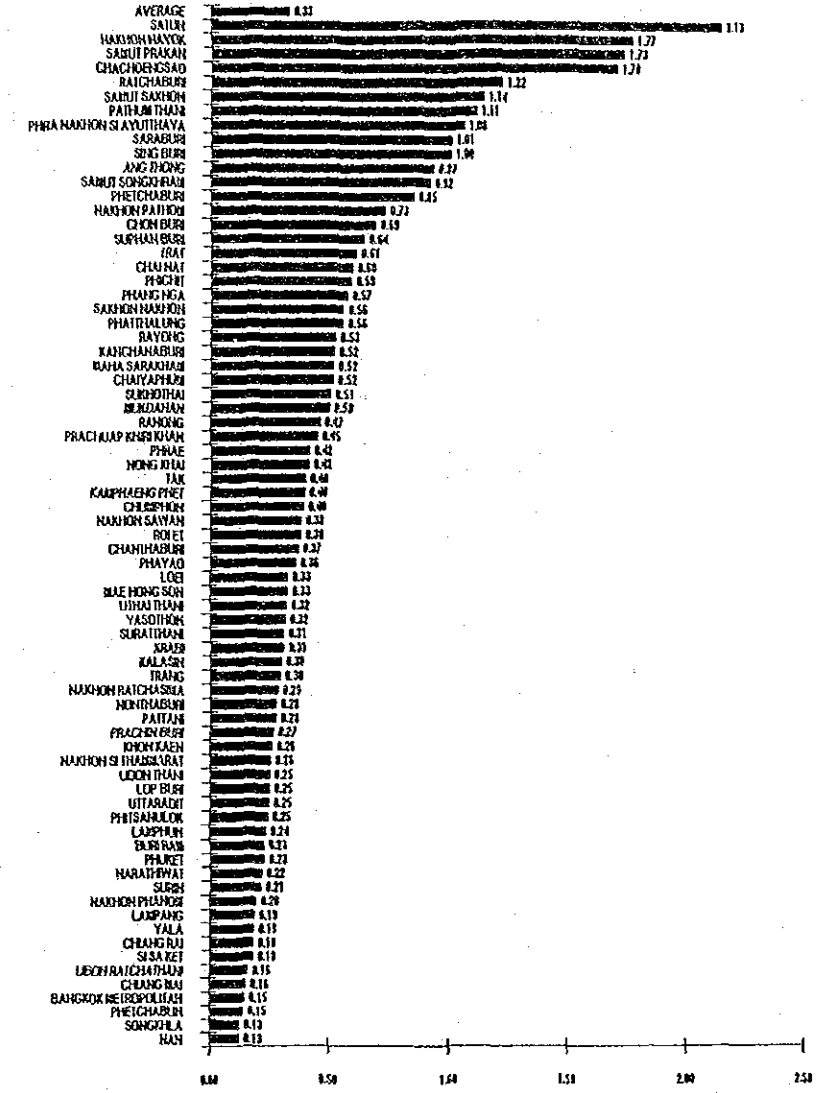
RATE OF TRIP GENERATION AND ATTRACTION / POPULATION

(Trip/million Baht/day)



RATE OF TRIP GENERATION AND ATTRACTION / GPP

(Trip/vehicle/day)



RATE OF TRIP GENERATION AND ATTRACTION / NUMBER OF REGISTERED VEHICLES

Appendix 6.16 INTER - CHANGWAT OD TABLE -- 1990

PRESENT O-D TABLE (1990)

Table with columns for provinces 34 through 96 and rows for provinces 1 through 96, including a 'TOTAL' row. It lists inter-provincial origin-destination traffic for 1990.

Appendix 6.19 REGIONAL OD TABLES — 1990

VEHICLE TYPE : PC					VEHICLE TYPE : PT						
N	NE	C	S	TOTAL	N	NE	C	S	TOTAL		
N	6156	151	1485	6	7798	N	4221	467	664	0	5352
NE	148	5636	945	4	6793	NE	444	14064	721	0	15229
C	2144	311	92270	389	95614	C	685	310	36331	229	37555
S	10	4	403	7067	7484	S	6	8	228	5819	6061
TOTAL	8458	6662	95103	7466	117689	TOTAL	5356	14849	37944	6048	64197

VEHICLE TYPE : LB					VEHICLE TYPE : LT						
N	NE	C	S	TOTAL	N	NE	C	S	TOTAL		
N	1436	11	131	2	1580	N	461	43	69	2	575
NE	12	1217	88	0	1317	NE	25	1243	103	0	1371
C	152	103	18089	45	18389	C	93	113	7012	28	7246
S	5	5	74	1276	1360	S	0	6	19	342	367
TOTAL	1605	1336	18382	1323	22646	TOTAL	579	1405	7203	372	9559

VEHICLE TYPE : MB					VEHICLE TYPE : MT						
N	NE	C	S	TOTAL	N	NE	C	S	TOTAL		
N	490	52	25	0	567	N	2436	117	618	3	3174
NE	31	648	31	0	710	NE	122	4284	716	0	5122
C	41	75	3269	0	3385	C	601	591	34528	265	35985
S	0	6	12	300	318	S	0	4	227	2351	2582
TOTAL	562	781	3337	300	4980	TOTAL	3159	4996	36089	2691	46863

VEHICLE TYPE : HB					VEHICLE TYPE : HT						
N	NE	C	S	TOTAL	N	NE	C	S	TOTAL		
N	1258	130	745	0	2133	N	1395	118	1391	20	2924
NE	87	2415	955	3	3460	NE	95	5009	2522	12	7638
C	919	952	19620	343	21834	C	1595	2375	72935	1035	77940
S	0	0	300	1316	1616	S	32	25	1099	2786	3942
TOTAL	2264	3497	21620	1662	29043	TOTAL	3117	7527	77947	3853	92444

VEHICLE TYPE : PP					VEHICLE TYPE : TOTAL						
N	NE	C	S	TOTAL	N	NE	C	S	TOTAL		
N	12227	248	2506	24	15005	N	30080	1337	7634	57	39108
NE	236	2715	2054	27	5032	NE	1200	37291	8135	46	46672
C	3313	2540	65591	491	71935	C	9543	7870	349645	2825	369883
S	6	28	457	8348	8839	S	59	86	2819	29605	32569
TOTAL	15782	5531	70608	8890	100811	TOTAL	40882	46584	368233	32533	488232

Appendix 6.20 GENERATED AND ATTRACTED REGIONAL TRIPS — 1990

Region	VEHICLE TYPE									
	PC	LB	MB	HB	PP	PT	LT	MT	HT	TOTAL
Northern	7798	1580	567	2133	15005	5352	575	3174	2924	39108
Northeastern	6793	1317	710	3460	5032	15229	1371	5122	7638	46672
Central	95614	18389	3385	21834	71935	37555	7246	35985	77940	369883
Southern	7484	1360	318	1616	8839	6061	367	2582	3942	32569
Total	117689	22646	4980	29043	100811	64197	9559	46863	92444	488232

Region	VEHICLE TYPE									
	PC	LB	MB	HB	PP	PT	LT	MT	HT	TOTAL
Northern	8458	1605	562	2264	15782	5356	579	3159	3117	40882
Northeastern	6662	1336	781	3497	5531	14849	1405	4996	7527	46584
Central	95103	18382	3337	21620	70608	37944	7203	36089	77947	368233
Southern	7466	1323	300	1662	8890	6048	372	2619	3853	32533
Total	117689	22646	4980	29043	100811	64197	9559	46863	92444	488232

Region	VEHICLE TYPE									
	PC	LB	MB	HB	PP	PT	LT	MT	HT	TOTAL
Northern	16256	3185	1129	4397	30787	10708	1154	6333	6041	79990
Northeastern	13455	2653	1491	6957	10563	30078	2776	10118	15165	93256
Central	190717	36771	6722	43454	142543	75499	14449	72074	155887	738116
Southern	14950	2683	618	3278	17729	12109	739	5201	7795	65102
Total	235378	45292	9960	58086	201622	128394	19118	93726	184888	976464

Region	VEHICLE TYPE									
	PC	LB	MB	HB	PP	PT	LT	MT	HT	TOTAL
Northern	20.3	4.0	1.4	5.5	38.5	13.4	1.4	7.9	7.6	100.0
Northeastern	14.4	2.8	1.6	7.5	11.3	32.3	3.0	10.8	16.3	100.0
Central	25.8	5.0	0.9	5.9	19.3	10.2	2.0	9.8	21.1	100.0
Southern	23.0	4.1	0.9	5.0	27.2	18.6	1.1	8.0	12.0	100.0
Total	24.1	4.6	1.0	5.9	20.6	13.1	2.0	9.6	18.9	100.0

Appendix 6.21 GENERATED AND ATTRACTED REGIONAL TRIPS BY COMMODITY GROUP

GENERATION: (1990)										
Region	COMMODITY GROUP (Trip/day)					COMMODITY GROUP (Ton/day)				
	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
Northern	1968	598	1714	1637	5917	8900	4074	12505	6954	32433
Northeastern	3367	1164	1677	2195	8403	32337	10837	11903	12710	67787
Central	18115	27234	18853	21999	85351	114378	320546	128386	173712	737022
Southern	2431	860	1060	1987	6338	12334	6299	7027	8438	34098
Total	25881	29906	23304	26918	106009	167949	341756	159821	201814	871340

ATTRACTION:										
Region	COMMODITY GROUP (Trip/day)					COMMODITY GROUP (Ton/day)				
	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
Northern	1515	813	1533	1822	5683	5459	6239	9270	8454	29422
Northeastern	2319	1450	1577	2131	7477	16146	13810	11749	12391	54096
Central	20147	26688	18999	20805	86639	139352	314723	130369	171252	755696
Southern	1900	955	1195	2160	6210	6992	6984	8433	9717	32126
Total	25881	29906	2304	26918	106009	167949	341756	159821	201814	871340

GENERATION: (%)										
Region	COMMODITY GROUP (Trip/day, %)					COMMODITY GROUP (Ton/day, %)				
	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
Northern	33.3	10.1	29.0	27.7	100.0	27.4	12.6	38.6	21.4	100.0
Northeastern	40.1	13.9	20.0	26.1	100.0	47.7	16.0	17.6	18.7	100.0
Central	21.2	32.0	22.1	24.7	100.0	15.5	43.5	17.4	23.6	100.0
Southern	38.4	13.6	16.7	31.4	100.0	36.2	18.5	20.6	24.7	100.0
Total	24.4	28.2	22.0	25.4	100.0	19.3	39.2	18.3	23.2	100.0

ATTRACTION: (%)										
Region	COMMODITY GROUP (Trip/day, %)					COMMODITY GROUP (Ton/day, %)				
	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
Northern	26.7	14.3	27.0	32.1	100.0	18.6	21.2	31.5	28.7	100.0
Northeastern	31.0	19.4	21.1	28.5	100.0	29.8	25.5	21.7	22.9	100.0
Central	23.3	30.8	21.9	24.0	100.0	18.4	41.6	17.3	22.7	100.0
Southern	30.6	15.4	19.2	34.8	100.0	21.8	21.7	26.2	30.2	100.0
Total	24.4	28.2	22.0	25.4	100.0	19.3	39.2	18.3	23.2	100.0

Appendix 6.22 GENERATED AND ATTRACTED REGIONAL TRIPS BY PURPOSE

GENERATION: (1990)										
REGION	TRIP PURPOSE (Trip/day)					TRIP PURPOSE (Person/day)				
	WORK	PRIVATE	TOUR	OTHERS	TOTAL	WORK	PRIVATE	TOUR	OTHERS	TOTAL
Northern	10418	8460	1821	182	20881	30232	25036	12501	762	68531
Northeastern	5279	5597	624	155	11655	14279	18279	3069	429	36056
Central	79669	73606	8113	3607	164995	191417	177979	37092	9995	416483
Southern	7687	7470	1023	126	16306	28899	24687	5361	469	59416
Total	103053	95133	11581	4070	213837	264827	245981	58023	11655	580486

ATTRACTION: (1990)										
REGION	TRIP PURPOSE (Trip/day)					TRIP PURPOSE (Person/day)				
	WORK	PRIVATE	TOUR	OTHERS	TOTAL	WORK	PRIVATE	TOUR	OTHERS	TOTAL
Northern	10373	9271	2443	217	22034	29912	27662	15605	882	74061
Northeastern	5754	5573	547	152	12026	15161	15313	2577	418	33469
Central	79207	72899	7520	3538	163164	190854	178386	34268	9759	413267
Southern	7719	7390	1071	163	16343	28900	24620	5573	596	59689
Total	103053	95133	11581	4070	213837	264827	245981	58023	11655	580486

GENERATION: (%)										
REGION	TRIP PURPOSE (Trip/day, %)					TRIP PURPOSE (Person/day, %)				
	WORK	PRIVATE	TOUR	OTHERS	TOTAL	WORK	PRIVATE	TOUR	OTHERS	TOTAL
Northern	49.9	40.5	8.7	0.9	100.0	44.1	36.5	18.2	1.1	100.0
Northeastern	45.3	48.0	5.4	1.3	100.0	39.6	50.7	8.5	1.2	100.0
Central	48.3	44.6	4.9	2.2	100.0	46.0	42.7	8.9	2.4	100.0
Southern	47.1	45.8	6.3	0.8	100.0	48.6	41.5	9.0	0.8	100.0
Total	48.2	44.5	5.4	1.9	100.0	45.6	42.4	10.0	2.0	100.0

ATTRACTION: (%)										
REGION	TRIP PURPOSE (Trip/day, %)					TRIP PURPOSE (Person/day, %)				
	WORK	PRIVATE	TOUR	OTHERS	TOTAL	WORK	PRIVATE	TOUR	OTHERS	TOTAL
Northern	46.5	41.6	11.0	1.0	100.0	40.4	37.4	21.1	1.2	100.0
Northeastern	47.8	46.3	4.5	1.3	100.0	45.2	45.8	7.7	1.2	100.0
Central	48.5	44.7	4.6	2.2	100.0	46.2	43.2	8.3	2.4	100.0
Southern	47.2	45.2	6.6	1.0	100.0	48.4	41.2	9.3	1.0	100.0
Total	48.2	44.5	5.4	1.9	100.0	45.6	42.4	10.0	2.0	100.0

Appendix 6.23 COMMODITY FLOW FROM/TO BMR - 1990

i. From BMR

(TRIP/DAY)

DIV.	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
N1	5	18	35	72	130
N2	22	14	79	37	152
N3	33	65	170	103	371
NE1	12	12	65	55	144
NE2	0	23	18	12	53
NE3	7	38	51	59	155
NE4	111	151	183	85	530
C1	85	167	732	152	1136
C2	1237	1497	1916	2361	7011
C3	1470	972	3091	1625	7158
S1	32	17	79	115	243
S2	19	24	54	53	150
S3	44	15	45	63	167
Total	3077	3013	6518	4792	17400

(TON/DAY)

DIV.	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
N1	20	222	503	679	1424
N2	195	159	914	335	1603
N3	177	647	1890	738	3452
NE1	191	183	847	896	2117
NE2	0	391	252	138	781
NE3	83	444	643	644	1814
NE4	664	1176	2391	924	5155
C1	610	1513	3920	599	6642
C2	10170	14751	14769	24479	64169
C3	7534	8305	21447	9398	46684
S1	199	132	723	992	2046
S2	177	174	517	491	1359
S3	388	108	458	677	1631
Total	20408	28205	49274	40990	138877

Appendix 6.23 COMMODITY FLOW FROM/TO BMR - 1990

ii. To BMR

(TRIP/ DAY)

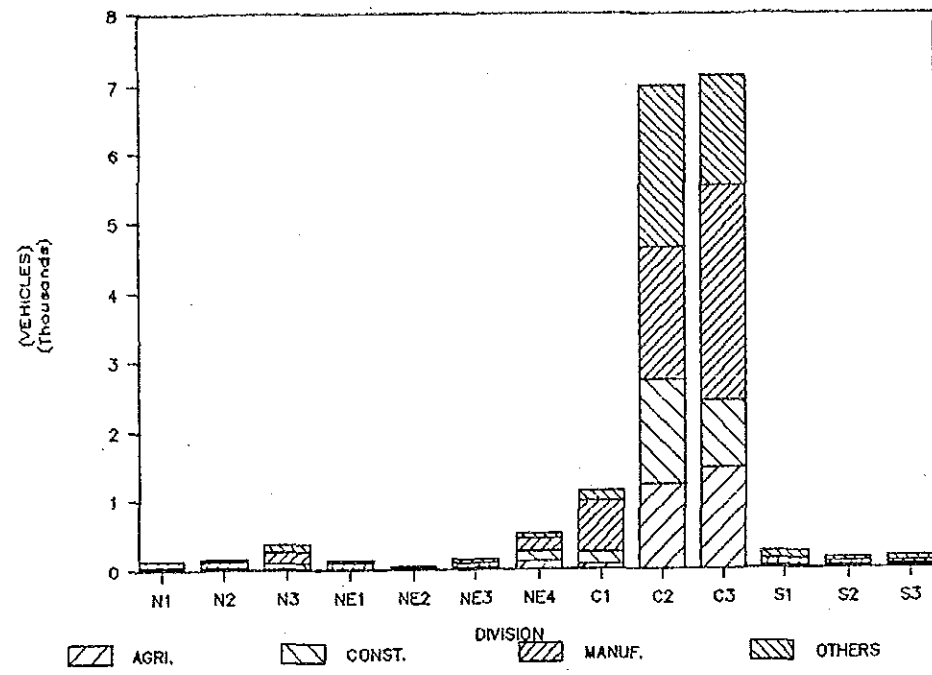
DIV.	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
N1	44	0	24	21	89
N2	45	0	42	36	123
N3	121	19	96	75	311
NE1	66	8	29	61	164
NE2	76	12	13	20	121
NE3	231	15	84	57	387
NE4	274	26	225	82	607
C1	637	2622	268	326	3853
C2	2226	5126	803	2779	10934
C3	3210	4617	1857	2072	11756
S1	223	10	33	50	316
S2	84	2	10	29	125
S3	256	17	7	62	342
Total	7493	12474	3491	5670	29128

(TON/DAY)

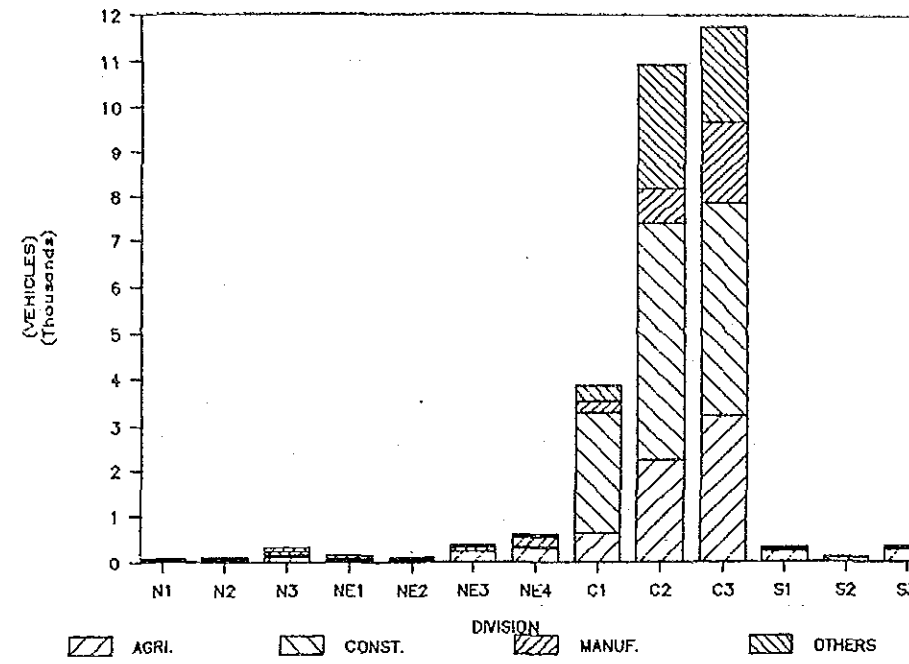
DIV.	AGRICULTURE	CONSTRUCTION	MANUFACTURE	OTHERS	TOTAL
N1	458	0	200	218	876
N2	476	0	605	438	1519
N3	966	143	938	626	2673
NE1	700	47	357	783	1887
NE2	992	162	191	148	1493
NE3	2956	180	863	508	4507
NE4	2717	253	1521	857	5348
C1	4268	33949	2397	3354	43968
C2	18976	87396	8607	42968	157947
C3	19199	61099	11573	20016	111887
S1	1948	8	265	433	2654
S2	684	1	113	215	1013
S3	2749	155	37	619	3560
Total	57089	183393	27667	71183	339332

Appendix 6.24 COMMODITY FLOW COMPOSITION FROM/TO BMR - 1990

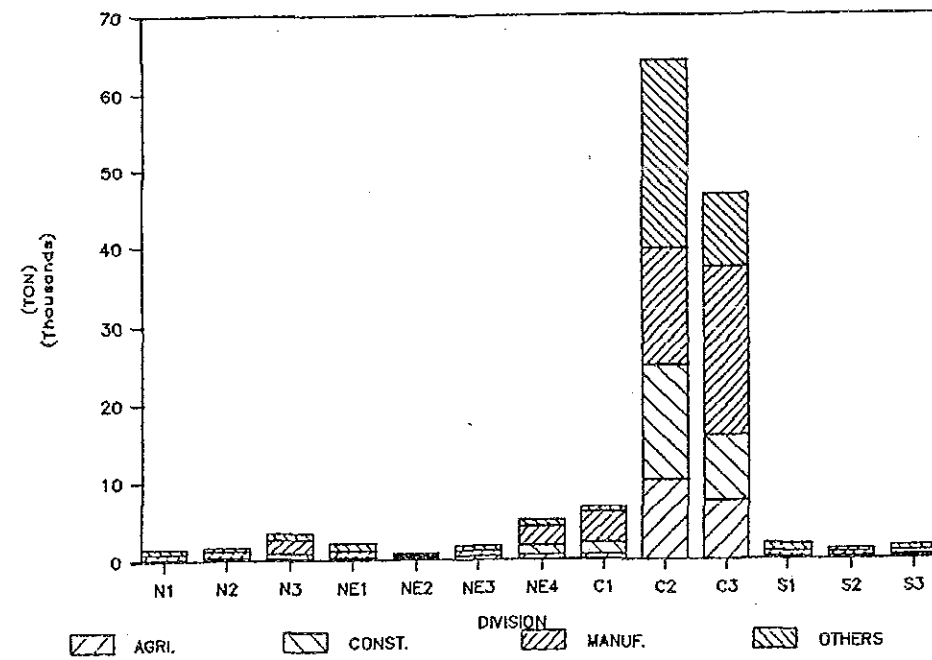
(VEHICLES)



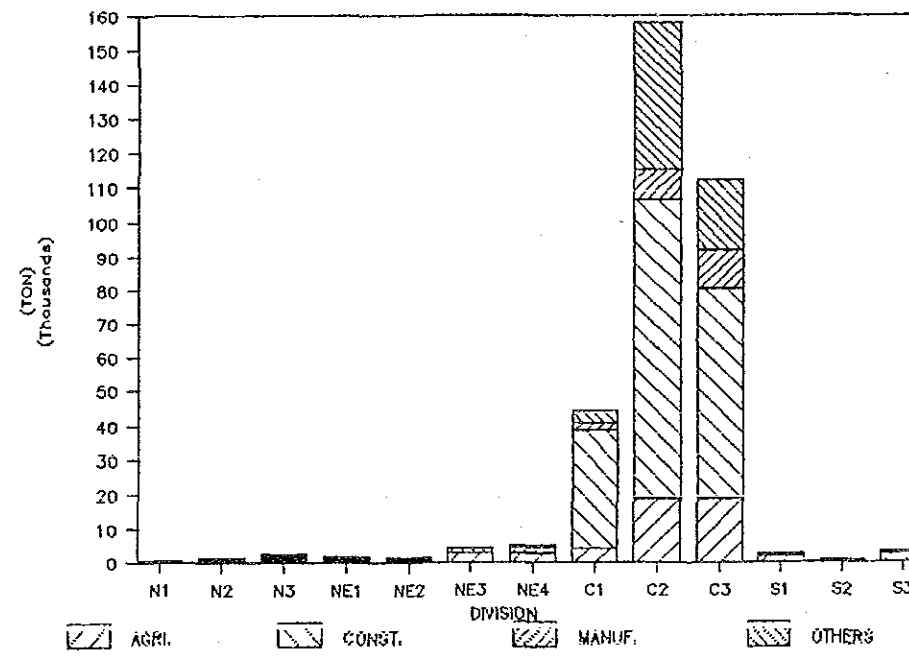
(VEHICLES)



(WEIGHT)



(WEIGHT)



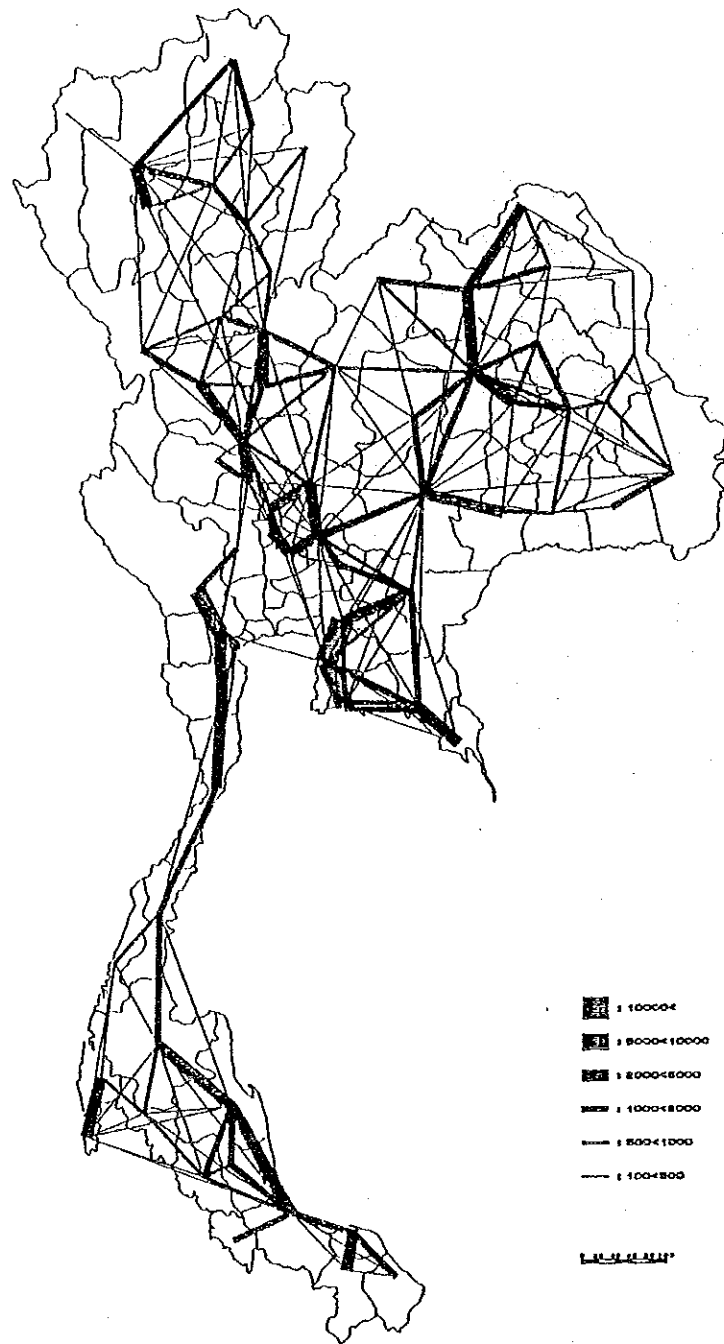
i. From BMR

ii. To BMR

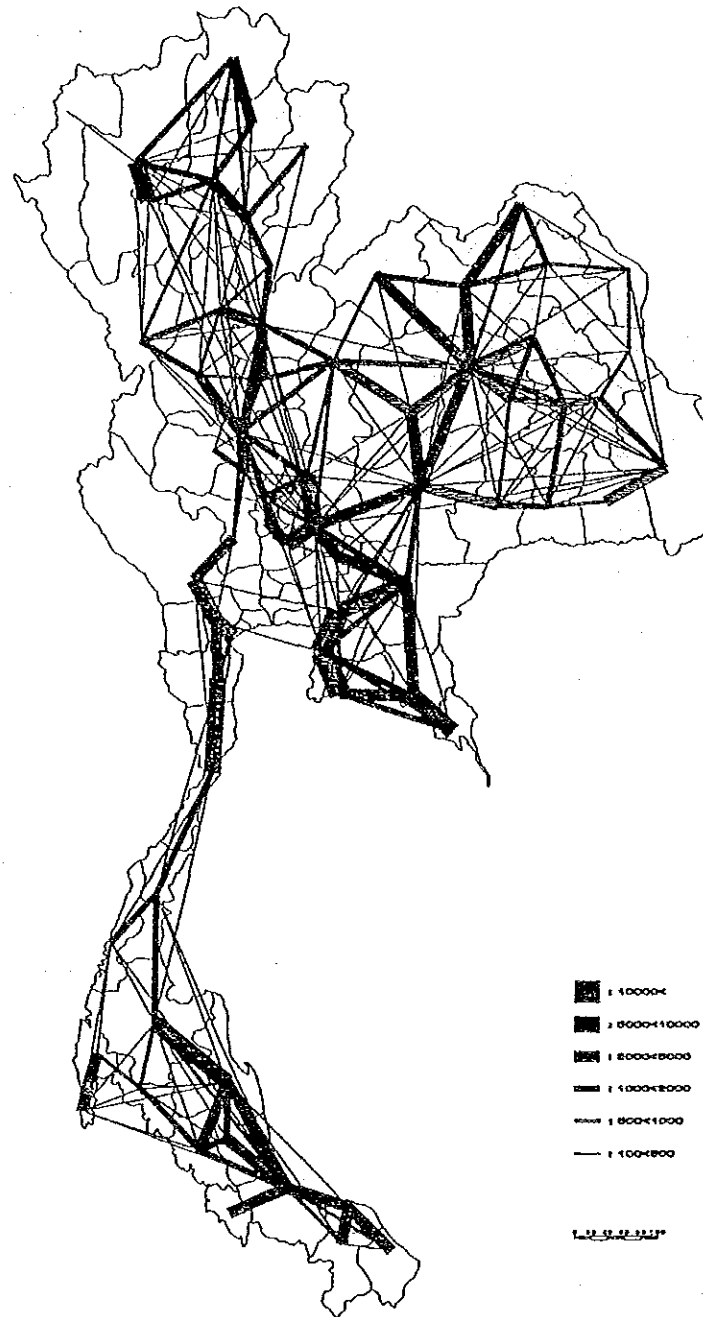
Appendix 6.26 INTER-CHANGWAT OD TABLE - 2010

Table with columns for Province (1-32) and Total (33). Rows list various provinces and districts with corresponding vehicle counts. Includes 'VEHICLE TYPE : TOTAL' header and a 'TOTAL' row at the bottom.

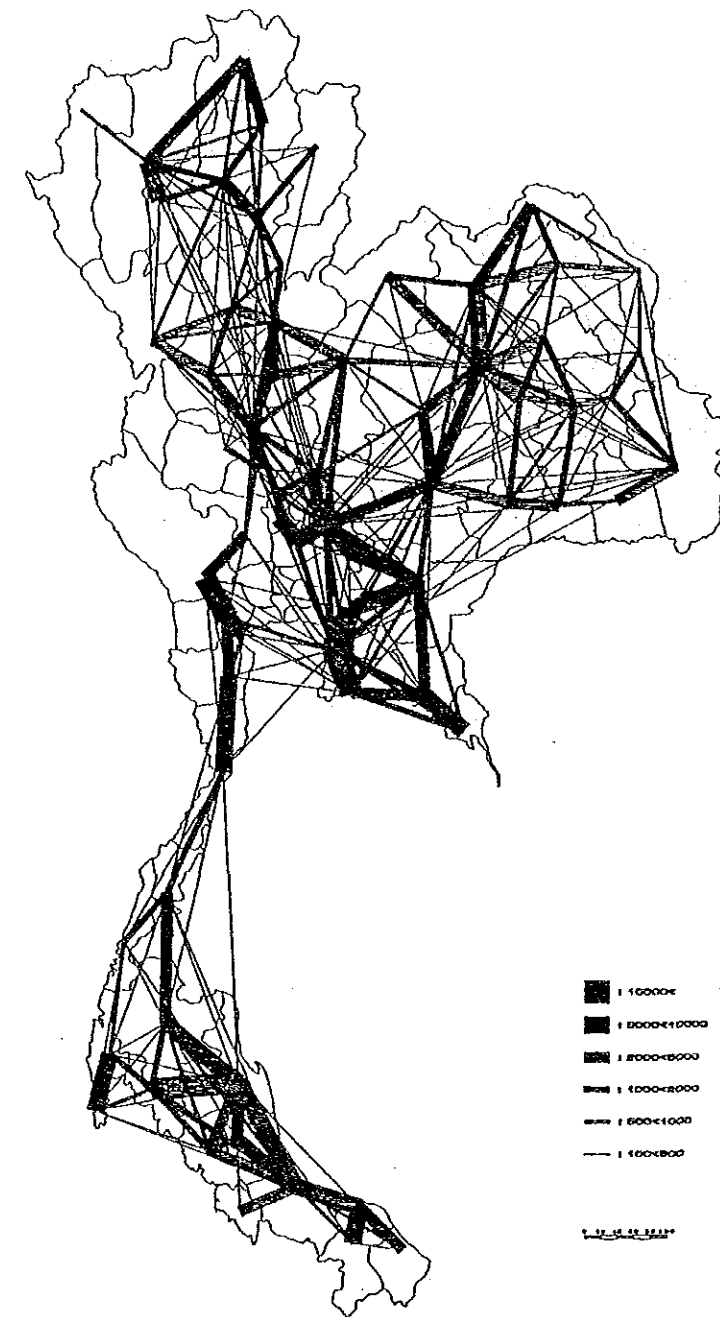
Appendix 6.27 PRESENT AND FUTURE INTER-CHANGWAT DESIRE LINE CHARTS



INTER-CHANGWAT DESIRE LINE CHART - 1990
i. WITHOUT CHANGWATS OF BMR

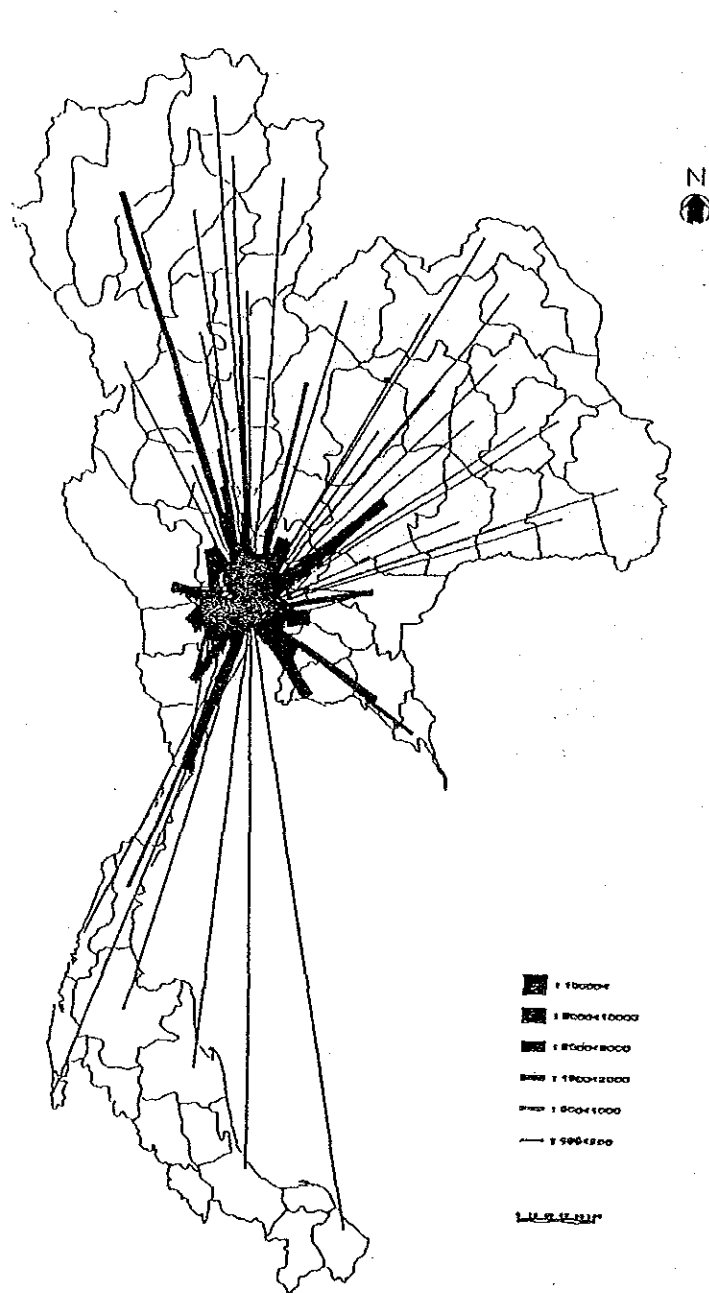


INTER-CHANGWAT DESIRE LINE CHART - 2000
i. WITHOUT CHANGWATS OF BMR

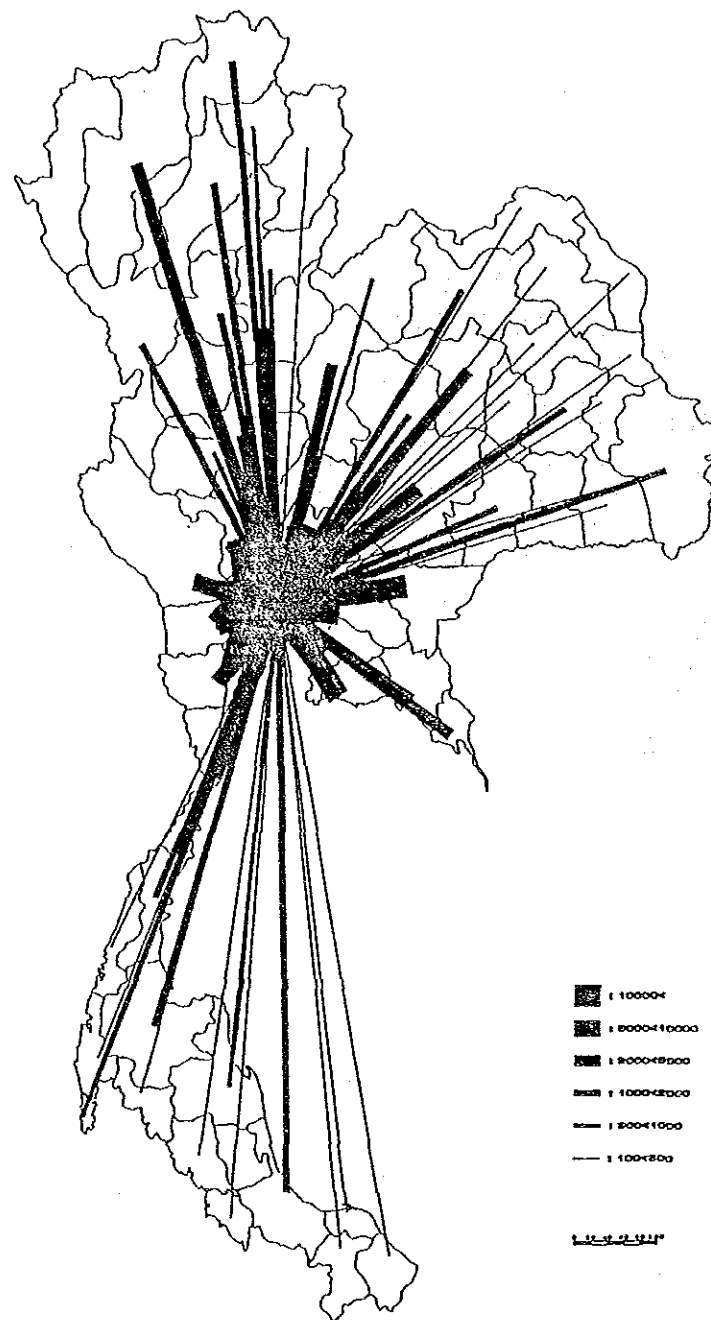


INTER-CHANGWAT DESIRE LINE CHART - 2010
i. WITHOUT CHANGWATS OF BMR (continued)

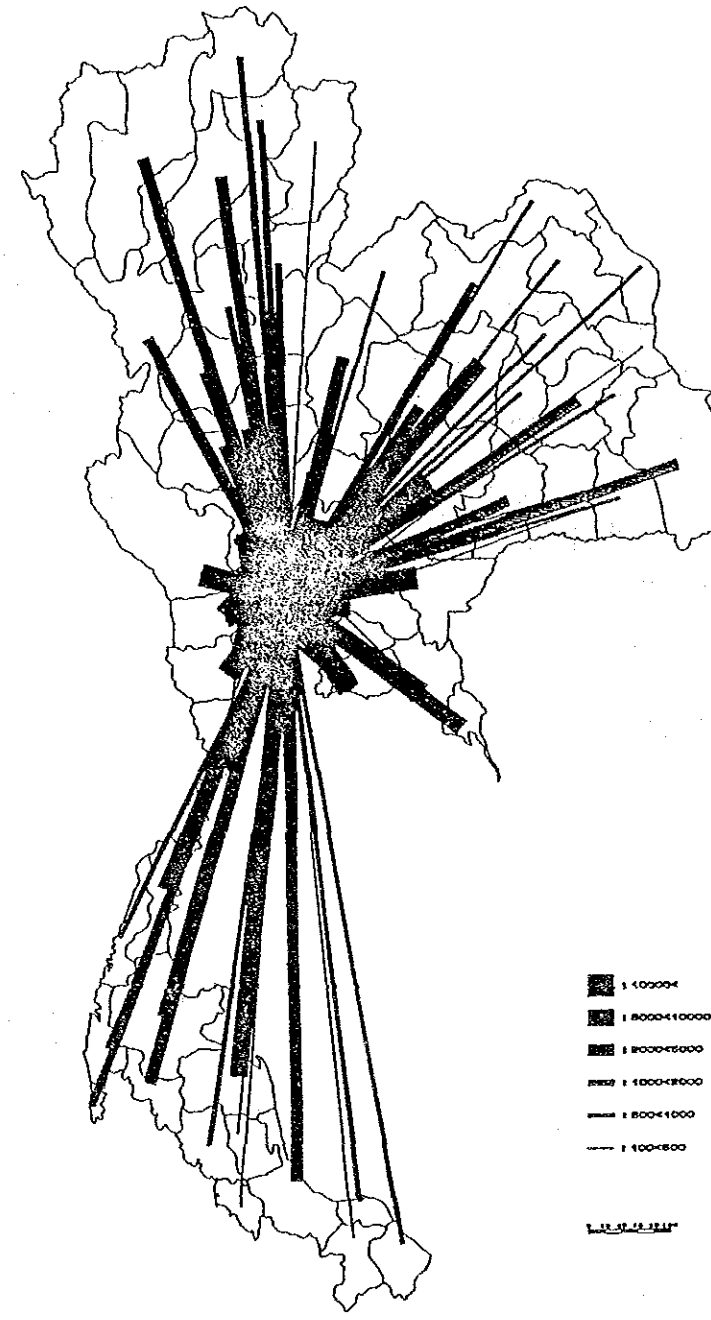
Appendix 6.27 PRESENT AND FUTURE INTER-CHANGWAT DESIRE LINE CHARTS



INTER-CHANGWAT DESIRE LINE CHART - 1990
ii. CHANGWATS OF BMR



INTER-CHANGWAT DESIRE LINE CHART - 2000
ii. CHANGWATS OF BMR



INTER-CHANGWAT DESIRE LINE CHARTS - 2010
ii. CHANGWATS OF BMR

Appendix 6.28 GENERATED AND ATTRACTED INTER-CHANGWAT TRIPS — 2000

RANK	GENERATION		ATTRACTION		GENERATION + ATTRACTION	
	Code Changwat	Trip	Code Changwat	Trip	Code Changwat	Trip-end
1	1 BANGKOK METROPOLITAN	360387	1 BANGKOK METROPOLITAN	338360	1 BANGKOK METROPOLITAN	698747
2	18 SAMUT PRAKAN	132003	18 SAMUT PRAKAN	142690	18 SAMUT PRAKAN	274693
3	23 CHON BURI	62983	23 CHON BURI	64469	23 CHON BURI	127452
4	72 NAKHON PATHOM	50777	72 NAKHON PATHOM	53111	72 NAKHON PATHOM	103888
5	74 SAMUT SAKHON	34368	74 SAMUT SAKHON	36450	74 SAMUT SAKHON	70818
6	73 RATCHABURI	33241	14 SARABURI	33871	73 RATCHABURI	66827
7	14 SARABURI	32825	73 RATCHABURI	33586	14 SARABURI	66696
8	22 CHACHOENGSAO	26900	22 CHACHOENGSAO	27777	22 CHACHOENGSAO	54677
9	16 PATHUM THANI	25646	16 PATHUM THANI	25615	16 PATHUM THANI	51261
10	15 AYUTTHAYA	22406	15 AYUTTHAYA	24231	15 AYUTTHAYA	46637
11	17 NONTHABURI	22095	17 NONTHABURI	22983	17 NONTHABURI	45078
12	24 RAYONG	22015	24 RAYONG	21873	24 RAYONG	43888
13	45 KHON KAEN	15441	21 PRACHIN BURI	15377	45 KHON KAEN	30574
14	21 PRACHIN BURI	15092	45 KHON KAEN	15133	21 PRACHIN BURI	30469
15	35 NAKHON RATCHASIMA	14671	35 NAKHON RATCHASIMA	14860	35 NAKHON RATCHASIMA	29531
16	70 SUPHAN BURI	13725	70 SUPHAN BURI	14416	70 SUPHAN BURI	28141
17	71 KANCHANABURI	13476	71 KANCHANABURI	13698	71 KANCHANABURI	27174
18	75 SAMUT SONGKHRAN	12123	75 SAMUT SONGKHRAN	12425	75 SAMUT SONGKHRAN	24548
19	20 NAKHON NAYOK	12020	20 NAKHON NAYOK	12321	20 NAKHON NAYOK	24341
20	92 SONGKHLA	10675	92 SONGKHLA	10719	92 SONGKHLA	21394
21	12 LOP BURI	10386	12 LOP BURI	10472	12 LOP BURI	20858
22	25 CHANTHABURI	10297	25 CHANTHABURI	10416	25 CHANTHABURI	20713
23	76 PHETCHABURI	10249	76 PHETCHABURI	10261	76 PHETCHABURI	20506
24	67 NAKHON SAWAN	10143	67 NAKHON SAWAN	10102	67 NAKHON SAWAN	20245
25	63 PHITSANULOK	8583	63 PHITSANULOK	8447	63 PHITSANULOK	17030
26	84 NAKHON SI THAMMARAT	8468	84 NAKHON SI THAMMARAT	8339	84 NAKHON SI THAMMARAT	16807
27	77 PRACHUAP KHIRI KHAN	7673	77 PRACHUAP KHIRI KHAN	7908	77 PRACHUAP KHIRI KHAN	15581
28	52 CHIANG MAI	7641	52 CHIANG MAI	7626	52 CHIANG MAI	15267
29	42 UDON THANI	6961	42 UDON THANI	6958	42 UDON THANI	13919
30	26 TRAT	6637	26 TRAT	6703	26 TRAT	13340
31	66 PHETCHABUN	6609	66 PHETCHABUN	6572	66 PHETCHABUN	13181
32	94 PATTANI	6268	94 PATTANI	5959	94 PATTANI	12227
33	13 ANG THONG	6034	13 ANG THONG	5909	13 ANG THONG	11943
34	82 SURATTHANI	5815	82 SURATTHANI	5805	82 SURATTHANI	11620
35	11 SING BURI	5520	11 SING BURI	5605	11 SING BURI	11125
36	56 LAMPANG	5485	56 LAMPANG	5431	56 LAMPANG	10916
37	10 CHAI NAT	5244	10 CHAI NAT	5185	10 CHAI NAT	10429
38	48 ROI ET	5164	48 ROI ET	5103	48 ROI ET	10267
39	47 MAHA SARAKHAN	4985	47 MAHA SARAKHAN	4988	47 MAHA SARAKHAN	9973

Appendix 6.28 GENERATED AND ATTRACTED INTER-CHANGWAT — 2000

RANK	GENERATION		ATTRACTION		GENERATION + ATTRACTION	
	Code Changwat	Trip	Code Changwat	Trip	Code Changwat	Trip-end
40	34 BURIRAM	4978	65 BURIRAM	4900	65 BURIRAM	9878
41	65 PHICHIT	4968	61 SUKHOTHAI	4879	34 BURIRAM	9856
42	61 SUKHOTHAI	4962	34 BURIRAM	4878	61 SUKHOTHAI	9841
43	57 PHRAE	4789	64 KAMPHAENG PHET	4764	64 KAMPHAENG PHET	9517
44	64 KAMPHAENG PHET	4753	57 PHRAE	4663	57 PHRAE	9452
45	30 CHAIYAPHUM	4462	30 CHAIYAPHUM	4565	30 CHAIYAPHUM	9027
46	55 LAMPHUN	4453	55 LAMPHUN	4346	55 LAMPHUN	8799
47	32 UBON RATCHATHANI	4116	32 UBON RATCHATHANI	4134	32 UBON RATCHATHANI	8250
48	91 TRANG	3916	91 TRANG	3849	91 TRANG	7765
49	62 TAK	3710	80 CHUMPHON	3688	62 TAK	7372
50	50 CHIANG RAI	3682	62 TAK	3662	80 CHUMPHON	7353
51	80 CHUMPHON	3665	50 CHIANG RAI	3658	50 CHIANG RAI	7340
52	86 PHUKET	3343	86 PHUKET	3340	86 PHUKET	6683
53	40 NONG KHAI	3295	36 SURIN	3274	46 KALASIN	6536
54	46 KALASIN	3279	46 KALASIN	3257	36 SURIN	6528
55	36 SURIN	3254	40 NONG KHAI	3219	40 NONG KHAI	6514
56	83 PHANG NGA	3116	90 PHATTHALUNG	2998	83 PHANG NGA	6114
57	90 PHATTHALUNG	3041	83 PHANG NGA	2998	90 PHATTHALUNG	6039
58	44 SAKHON NAKHON	3023	44 SAKHON NAKHON	2974	44 SAKHON NAKHON	5997
59	53 PHAYAO	2888	53 PHAYAO	2853	53 PHAYAO	5741
60	41 LOEI	2828	95 YALA	2822	41 LOEI	5629
61	95 YALA	2673	41 LOEI	2801	95 YALA	5495
62	60 UTTARADIT	2580	60 UTTARADIT	2551	60 UTTARADIT	5131
63	31 YASOTHON	2564	31 YASOTHON	2531	31 YASOTHON	5095
64	33 SI SA KET	2156	33 SI SA KET	2126	33 SI SA KET	4282
65	85 KRABI	2012	85 KRABI	1988	85 KRABI	4000
66	93 SATUN	1822	93 SATUN	1783	93 SATUN	3605
67	96 NARATHIWAT	1705	96 NARATHIWAT	1758	96 NARATHIWAT	3463
68	43 NAKHON PHANOM	1622	68 UTHAI THANI	1660	68 UTHAI THANI	3242
69	68 UTHAI THANI	1582	43 NAKHON PHANOM	1602	43 NAKHON PHANOM	3224
70	81 RANONG	1545	81 RANONG	1553	81 RANONG	3098
71	49 MURDAHAN	1385	49 MURDAHAN	1369	49 MURDAHAN	2754
72	54 NAN	1010	54 NAN	1014	54 NAN	2024
73	51 MAE HONG SON	323	51 MAE HONG SON	316	51 MAE HONG SON	639
TOTAL		1174527		1174527		2349054

Note: The used code is the code of the Land Transport Department (LTD).

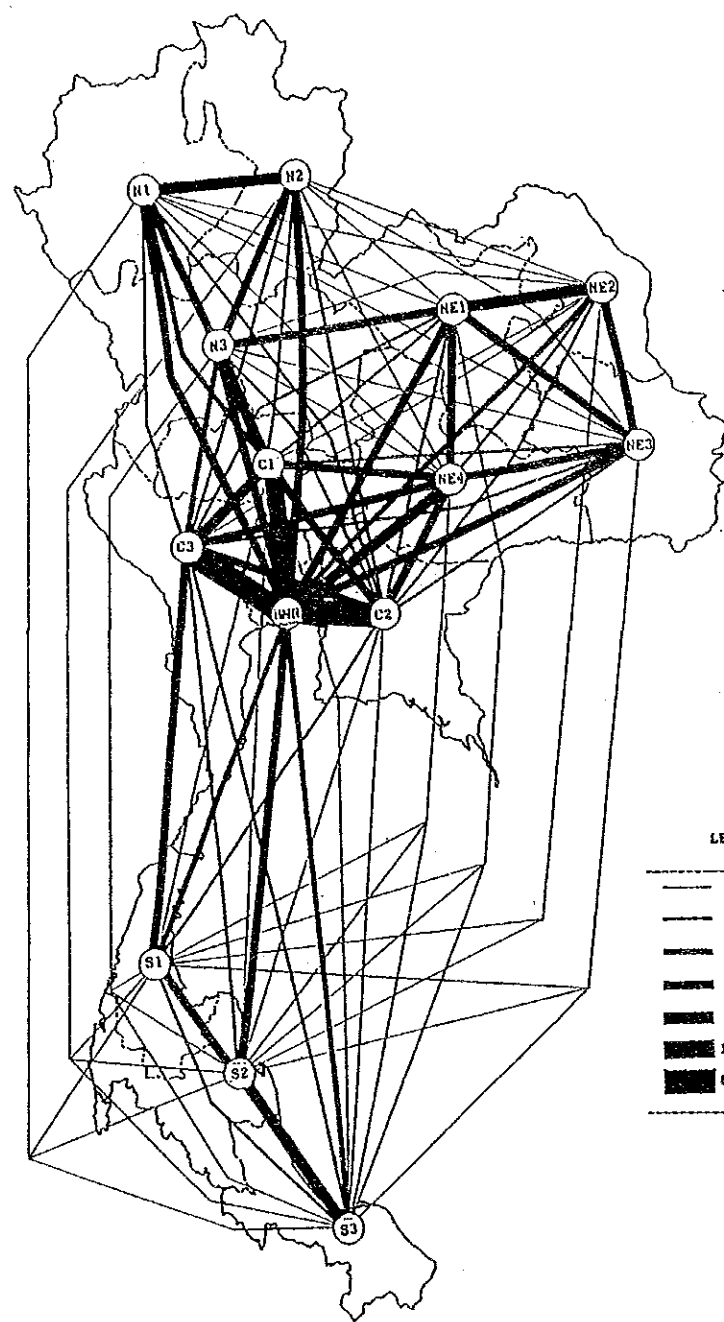
Appendix 6.29 GENERATED AND ATTRACTED INTER-CHANGWAT TRIPS — 2010

RANK	GENERATION		ATTRACTION		GENERATION + ATTRACTION				
	Code	Changwat	Trip Code	Changwat	Trip Code	Changwat	Trip-end		
1	1	BANGKOK METROPOLITAN	748680	1	BANGKOK METROPOLITAN	678457	1	BANGKOK METROPOLITAN	1427137
2	18	SAMUT PRAKAN	276901	18	SAMUT PRAKAN	312273	18	SAMUT PRAKAN	589174
3	72	NAKHON PATHOM	102244	72	NAKHON PATHOM	110423	72	NAKHON PATHOM	212674
4	23	CHON BURI	88410	23	CHON BURI	91510	23	CHON BURI	179320
5	74	SAMUT SAKHON	77137	74	SAMUT SAKHON	84944	74	SAMUT SAKHON	162081
6	16	PATHUM THANI	55118	16	PATHUM THANI	55417	16	PATHUM THANI	110535
7	14	SARABURI	52266	14	SARABURI	55064	14	SARABURI	107330
8	17	NONTHABURI	47115	17	NONTHABURI	50585	17	NONTHABURI	97700
9	73	RATCHABURI	43753	73	RATCHABURI	44706	73	RATCHABURI	88459
10	22	CHACHOENGSAO	39231	22	CHACHOENGSAO	41398	22	CHACHOENGSAO	80629
11	15	AYUTTHAYA	33882	15	AYUTTHAYA	38020	15	AYUTTHAYA	71902
12	24	RAYONG	31891	24	RAYONG	31985	24	RAYONG	63876
13	84	NAKHON SI THAMMARAT	23867	84	NAKHON SI THAMMARAT	23511	84	NAKHON SI THAMMARAT	47378
14	21	PRACHIN BURI	21095	21	PRACHIN BURI	21892	21	PRACHIN BURI	42987
15	45	KHON KAEN	20435	45	KHON KAEN	19835	45	KHON KAEN	40270
16	35	NAKHON RATCHASIMA	18966	35	NAKHON RATCHASIMA	19333	35	NAKHON RATCHASIMA	38299
17	71	KANCHANABURI	18151	71	KANCHANABURI	18718	71	KANCHANABURI	36869
18	92	SONGKHLA	17684	70	SUPHAN BURI	18631	75	SAMUT SONGKHRAM	35958
19	75	SAMUT SONGKHRAM	17598	75	SAMUT SONGKHRAM	18360	70	SUPHAN BURI	35908
20	70	SUPHAN BURI	17277	92	SONGKHLA	17682	92	SONGKHLA	35366
21	20	NAKHON NAYOK	16505	20	NAKHON NAYOK	17201	20	NAKHON NAYOK	33706
22	12	LOP BURI	14721	12	LOP BURI	14937	12	LOP BURI	29658
23	85	KRABI	14139	76	PHETCHABURI	14215	85	KRABI	28223
24	76	PHETCHABURI	13983	85	KRABI	14084	76	PHETCHABURI	28198
25	67	NAKHON SAWAN	13542	25	CHANTHABURI	13641	67	NAKHON SAWAN	27054
26	25	CHANTHABURI	13177	67	NAKHON SAWAN	13512	25	CHANTHABURI	26818
27	63	PHITSANULOK	11749	63	PHITSANULOK	11486	63	PHITSANULOK	23235
28	77	PRACHUAP KHIRI KHAN	10175	77	PRACHUAP KHIRI KHAN	10220	77	PRACHUAP KHIRI KHAN	20995
29	52	CHIANG MAI	10116	52	CHIANG MAI	9985	52	CHIANG MAI	20101
30	94	PATTANI	9307	26	TRAT	9098	26	TRAT	18052
31	26	TRAT	8954	82	SURATTHANI	8828	94	PATTANI	18004
32	82	SURATTHANI	8857	94	PATTANI	8697	82	SURATTHANI	17685
33	42	UDON THANI	8751	42	UDON THANI	8686	42	UDON THANI	17437
34	66	PHETCHABUN	8719	66	PHETCHABUN	8568	66	PHETCHABUN	17287
35	13	ANG THONG	8209	13	ANG THONG	8121	13	ANG THONG	16330
36	10	CHAI NAT	7702	10	CHAI NAT	7689	10	CHAI NAT	15391
37	56	LAMPANG	6997	11	SING BURI	7097	11	SING BURI	14046
38	11	SING BURI	6949	56	LAMPANG	6873	56	LAMPANG	13870
39	34	BURIRAM	6792	48	ROI ET	6670	48	ROI ET	13458

RANK	GENERATION		ATTRACTION		GENERATION + ATTRACTION				
	Code	Changwat	Trip Code	Changwat	Trip Code	Changwat	Trip-end		
40	48	ROI ET	6788	34	BURIRAM	6637	34	BURIRAM	13429
41	64	KAMPHANG PHET	6498	64	KAMPHANG PHET	6476	64	KAMPHANG PHET	12974
42	61	SUKHOTHAI	6189	30	CHAIYAPHUM	6166	61	SUKHOTHAI	12179
43	47	MAHA SARAKHAM	6089	61	SUKHOTHAI	5990	30	CHAIYAPHUM	12140
44	57	PHRAE	6028	47	MAHA SARAKHAM	5968	47	MAHA SARAKHAM	12057
45	30	CHAIYAPHUM	5974	65	PHICHIT	5938	65	PHICHIT	11863
46	65	PHICHIT	5925	57	PHRAE	5800	57	PHRAE	11828
47	32	UBON RATCHATHANI	5530	32	UBON RATCHATHANI	5541	32	UBON RATCHATHANI	11071
48	91	TRANG	5455	80	CHUMPHON	5347	91	TRANG	10757
49	55	LAMPHUN	5416	91	TRANG	5302	62	TAK	10698
50	62	TAK	5397	62	TAK	5301	80	CHUMPHON	10693
51	80	CHUMPHON	5346	55	LAMPHUN	5275	55	LAMPHUN	10691
52	50	CHIANG RAI	4744	50	CHIANG RAI	4678	50	CHIANG RAI	9422
53	40	NONG KHAI	4542	40	NONG KHAI	4340	40	NONG KHAI	8882
54	83	PHANG NGA	4438	36	SURIN	4340	36	SURIN	8655
55	90	PHATTHALUNG	4331	46	KALASIN	4231	90	PHATTHALUNG	8546
56	36	SURIN	4315	90	PHATTHALUNG	4215	83	PHANG NGA	8537
57	46	KALASIN	4305	86	PHUKET	4201	46	KALASIN	8536
58	86	PHUKET	4161	83	PHANG NGA	4099	86	PHUKET	8362
59	44	SAKHON NAKHON	3951	95	YALA	3968	44	SAKHON NAKHON	7784
60	95	YALA	3740	44	SAKHON NAKHON	3833	95	YALA	7708
61	53	PHAYAO	3704	53	PHAYAO	3599	53	PHAYAO	7303
62	41	LOEI	3647	41	LOEI	3585	41	LOEI	7232
63	60	UTTARADIT	3421	60	UTTARADIT	3329	60	UTTARADIT	6750
64	31	YASOTHON	3312	31	YASOTHON	3220	31	YASOTHON	6532
65	33	SI SA KET	2845	33	SI SA KET	2775	33	SI SA KET	5620
66	93	SATUN	2778	93	SATUN	2686	93	SATUN	5464
67	96	NARATHIWAT	2449	96	NARATHIWAT	2531	96	NARATHIWAT	4980
68	43	NAKHON PHANOM	2130	68	UTHAI THANI	2110	43	NAKHON PHANOM	4219
69	68	UTHAI THANI	1989	43	NAKHON PHANOM	2089	68	UTHAI THANI	4099
70	81	RANONG	1847	81	RANONG	1869	81	RANONG	3716
71	49	MUKDAHAN	1837	49	MUKDAHAN	1793	49	MUKDAHAN	3630
72	54	NAN	1275	54	NAN	1263	54	NAN	2538
73	51	MAE HONG SON	403	51	MAE HONG SON	390	51	MAE HONG SON	793
TOTAL			2091844			2091844			4183688

Note: The used code is the code of the Land Transport Department (LTD).

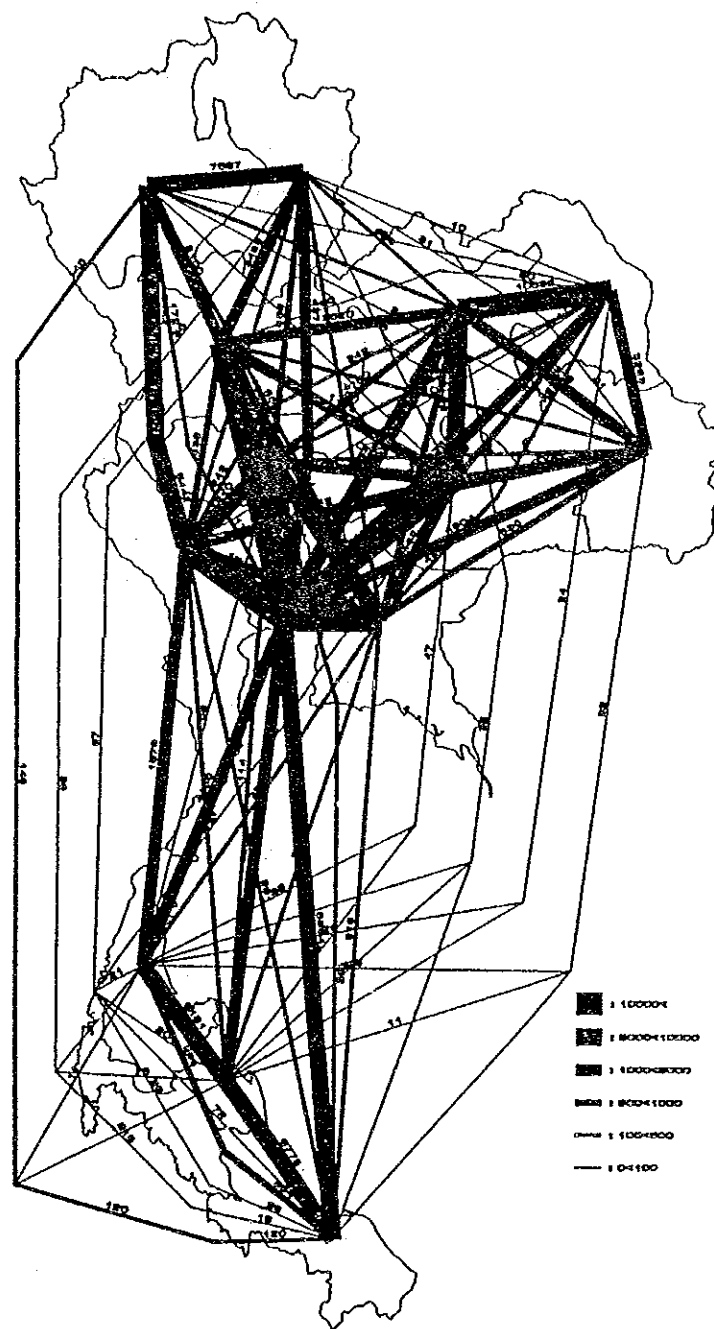
Appendix 6.32 PRESENT AND FUTURE INTER-DIVISION DESIRE LINE CHARTS



LEGEND
(Trips/day)

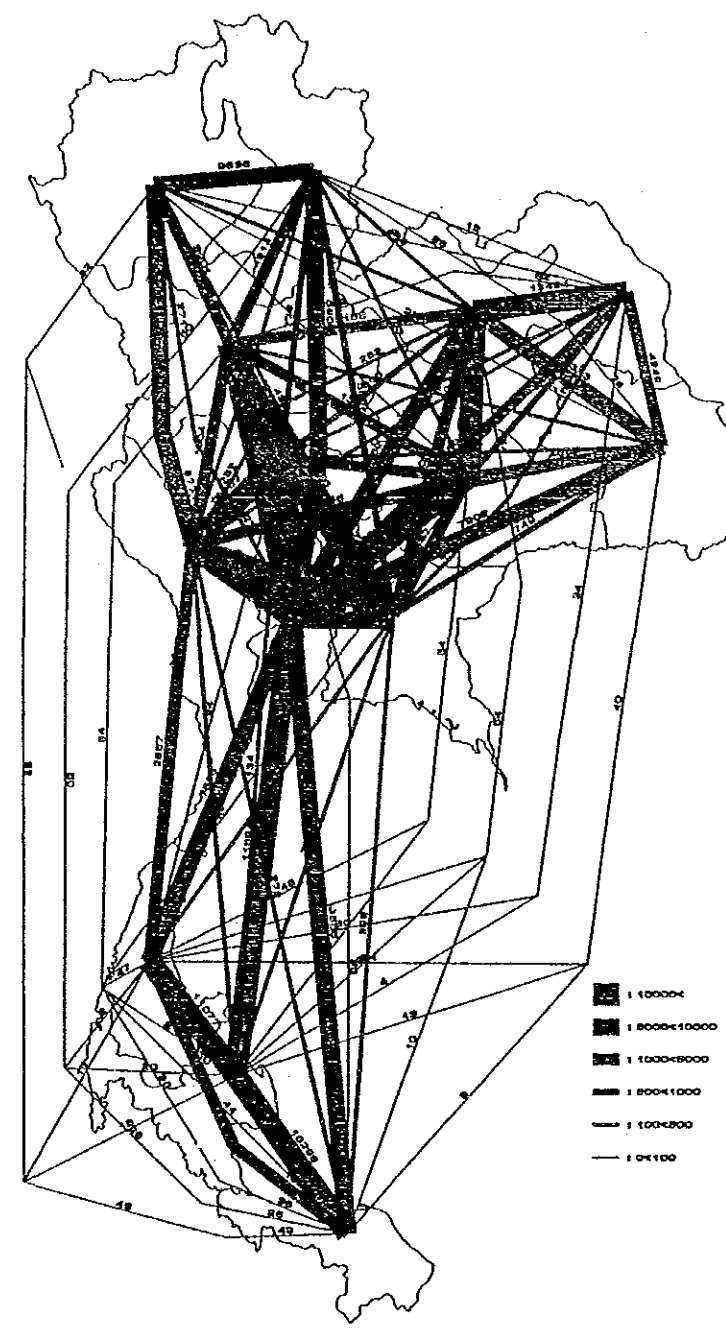
1 - 99
100 - 499
500 - 999
1000 - 4999
5000 - 9999
10000 - 49999
50000 -

INTER-DIVISION DESIRE LINE CHART - 1990



1 10000+
2 10000-100000
3 10000-20000
4 10000-30000
5 10000-40000
6 10000-50000
7 10000-60000
8 10000-70000
9 10000-80000
10 10000-90000
11 10000-100000

INTER-DIVISION DESIRE LINE CHART - 2000



1 10000+
2 10000-100000
3 10000-20000
4 10000-30000
5 10000-40000
6 10000-50000
7 10000-60000
8 10000-70000
9 10000-80000
10 10000-90000
11 10000-100000

INTER-DIVISION DESIRE LINE CHART - 2010

Appendix 6.33 REGIONAL OD TABLES -- 2000

VEHICLE CATEGORY: PC

	N	NE	C	S	TOTAL
N	9377	250	4593	12	14232
NE	262	9109	2781	8	12160
C	4439	2725	260462	1123	268749
S	12	3	1297	11530	12847
TOTAL	14090	12092	269133	12673	307988

VEHICLE CATEGORY: PT+LT

	N	NE	C	S	TOTAL
N	6933	866	1381	7	9187
NE	916	26298	1404	3	28626
C	1238	1186	104783	415	107622
S	7	9	487	10615	11118
TOTAL	9094	28359	108055	11045	156553

VEHICLE CATEGORY: LB

	N	NE	C	S	TOTAL
N	2219	27	261	7	2514
NE	25	2197	287	4	2513
C	239	283	49335	271	50128
S	5	4	267	2268	2544
TOTAL	2488	2511	50150	2550	57699

VEHICLE CATEGORY: MT

	N	NE	C	S	TOTAL
N	3991	219	1224	3	5437
NE	224	7436	1655	4	9319
C	1108	1546	93671	488	96813
S	3	4	563	4033	4603
TOTAL	5326	9205	97113	4528	116172

VEHICLE CATEGORY: MB+NB

	N	NE	C	S	TOTAL
N	2363	225	2311	0	4899
NE	237	4656	3191	6	8090
C	2398	3302	70921	881	77502
S	0	5	906	2685	3596
TOTAL	4998	8188	77329	3572	94087

VEHICLE CATEGORY: HT

	N	NE	C	S	TOTAL
N	2053	173	3075	36	5337
NE	173	8217	5727	24	14141
C	3029	5643	188668	2598	199938
S	38	24	2660	4519	7241
TOTAL	5293	14057	200130	7177	226657

VEHICLE CATEGORY: PP

	N	NE	C	S	TOTAL
N	18976	401	5428	25	24830
NE	378	4122	4798	37	9335
C	5014	4796	154413	868	165091
S	25	41	925	15124	16115
TOTAL	24393	9360	165564	16054	215371

VEHICLE CATEGORY: TOTAL

	N	NE	C	S	TOTAL
N	45912	2161	18273	90	66436
NE	2215	62035	19843	91	84184
C	17465	19481	922253	6644	965843
S	90	95	7105	50774	58064
TOTAL	65682	83772	967474	57599	1174527

Appendix 6.34 REGIONAL OD TABLES -- 2010

VEHICLE CATEGORY: PC

	N	NE	C	S	TOTAL
N	11172	290	7696	12	19170
NE	315	10839	4817	10	15981
C	7499	4609	493065	3598	508771
S	18	9	4149	25151	29327
TOTAL	19004	15747	509727	28771	573249

VEHICLE CATEGORY: PT+LT

	N	NE	C	S	TOTAL
N	8519	1027	2102	8	11656
NE	1200	33588	2167	10	36965
C	1631	1527	191706	603	195467
S	8	11	322	14996	15837
TOTAL	11358	36153	196797	15617	259925

VEHICLE CATEGORY: LB

	N	NE	C	S	TOTAL
N	2828	32	401	9	3270
NE	33	2812	503	4	3352
C	340	477	93684	542	95043
S	6	4	539	3215	3764
TOTAL	3207	3325	95127	3770	105429

VEHICLE CATEGORY: MT

	N	NE	C	S	TOTAL
N	4976	265	1895	4	7140
NE	292	9422	2569	7	12290
C	1596	2221	176842	1170	181829
S	5	7	1346	8234	9592
TOTAL	6869	11915	182652	9415	210851

VEHICLE CATEGORY: MB+NB

	N	NE	C	S	TOTAL
N	2670	251	3720	0	6641
NE	266	5314	5275	7	10862
C	4031	5638	144927	1665	156261
S	0	5	1713	4126	5844
TOTAL	6967	11208	155835	5798	179608

VEHICLE CATEGORY: HT

	N	NE	C	S	TOTAL
N	2354	196	4439	41	7030
NE	199	9533	8855	27	18614
C	4385	8764	341593	5819	360561
S	41	27	5901	14058	20027
TOTAL	6979	18520	360788	19945	406232

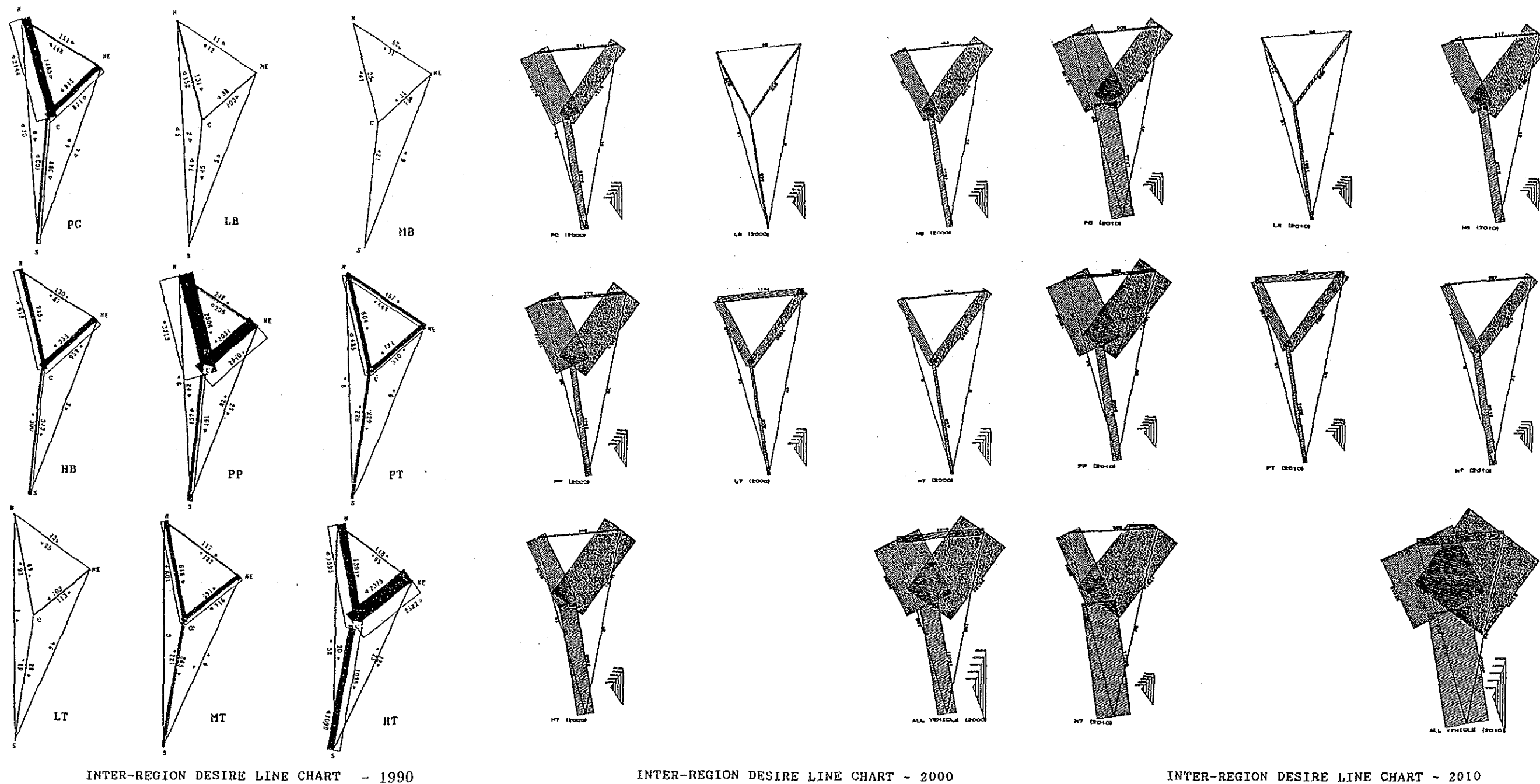
VEHICLE CATEGORY: PP

	N	NE	C	S	TOTAL
N	22818	499	8334	32	31674
NE	446	4737	6917	45	12145
C	7271	6894	273187	1371	288723
S	32	53	1667	22256	24008
TOTAL	30567	12174	290105	23704	356550

VEHICLE CATEGORY: TOTAL

	N	NE	C	S	TOTAL
N	55337	2551	28587	106	86581
NE	2751	76245	31103	110	110209
C	26753	30130	1715004	14768	1786655
S	110	116	16137	92036	108399
TOTAL	84951	109042	1790831	107020	2091844

Appendix 6.35 PRESENT AND FUTURE INTER - REGION DESIRE LINE CHARTS.



INTER-REGION DESIRE LINE CHART - 1990

INTER-REGION DESIRE LINE CHART - 2000

INTER-REGION DESIRE LINE CHART - 2010

Appendix 6.36

Appendix 6.37

Appendix 6.36 GENERATED AND ATTRACTED REGIONAL TRIPS — 2000

GENERATION:		(Trip/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	14232	2514	4899	24830	9187	5437	5337	66436
Northeastern	12160	2513	8090	9335	28626	9319	14141	84184
Central	268749	50128	77502	165091	107622	96813	199938	965843
Southern	12847	2544	3596	16115	11118	4603	7241	58064
TOTAL	307988	57699	94087	215371	156553	116172	226657	1174527

ATTRACTION:		(Trip/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	14090	2488	4998	24393	9094	5326	5293	65682
Northeastern	12092	2511	8188	9360	28359	9205	14057	83772
Central	269133	50150	77329	165664	108055	97113	200130	967474
Southern	12673	2550	3572	16054	11045	4528	7177	57599
TOTAL	307988	57699	94087	215371	156553	116172	226657	1174527

GENERATION + ATTRACTION:		(Trip-end/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	28322	5002	9897	49223	18281	10763	10630	132118
Northeastern	24252	5024	16278	18695	56985	18524	28198	167956
Central	537882	100278	154831	330655	215677	193926	400068	1933317
Southern	25520	5094	7168	32169	22163	9131	14418	115663
TOTAL	615976	115398	188174	430742	313106	232344	453314	2349054

Appendix 6.37 GENERATED AND ATTRACTED REGIONAL TRIPS -- 2010

GENERATION:		(Trip/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	19170	3270	6641	31674	11656	7140	7030	86581
Northeastern	15981	3352	10862	12145	36965	12290	18614	110209
Central	508771	95043	156261	288723	195467	181829	360561	1786655
Southern	29327	3764	5844	24008	15837	9592	20027	108399
TOTAL	573249	105429	179608	356550	259925	210851	406232	2091844

ATTRACTION:		(Trip/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	19004	3207	6967	30567	11358	6869	6979	84951
Northeastern	15747	3325	11208	12174	36153	11915	18520	109042
Central	509727	95127	155635	290105	196797	182652	360788	1790831
Southern	28771	3770	5798	23704	15617	9415	19945	107020
TOTAL	573249	105429	179608	356550	259925	210851	395592	2091844

GENERATION + ATTRACTION:		(Trip-end/day)						
Region	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
Northern	38174	6477	13608	62241	23014	14009	14009	171532
Northeastern	31728	6677	22070	24319	73118	24205	37134	219251
Central	1018498	190170	311896	578828	392264	364481	721349	3577486
Southern	58098	7534	11642	47712	31454	19007	29972	215419
TOTAL	1146498	210858	359216	713100	519850	421702	812464	4183688

Appendix 6.39
 Appendix 6.40
 Appendix 6.41

Appendix 6.39 GROWTH RATES OF DIVISIONAL TRIP-ENDS (1990=1.0)

YEAR	DIVISION	VEHICLE CATEGORY							
		PC	LB	HB	PP	LT	MT	HT	TOTAL
2000	N1	1.62	1.48	1.68	1.53	1.43	1.61	1.70	1.54
	N2	1.71	1.62	1.79	1.67	1.62	1.68	1.78	1.69
	N3	1.83	1.73	1.84	1.60	1.62	1.75	1.77	1.70
	NE1	1.85	2.06	2.00	1.93	1.87	1.93	2.02	1.91
	NE2	1.56	1.64	1.69	1.61	1.53	1.60	1.70	1.59
	NE3	1.64	1.72	1.91	1.83	1.66	1.72	1.85	1.73
	NE4	1.97	1.99	1.98	1.74	1.74	1.89	1.81	1.83
	C1	2.10	2.33	1.98	1.78	1.90	2.05	2.38	2.03
	C2	2.70	2.15	2.43	1.94	1.91	2.36	2.29	2.21
	C3	1.72	1.93	1.92	1.64	1.60	1.73	1.75	1.72
	BMR	3.16	3.54	3.62	3.07	3.17	3.18	3.09	3.19
	S1	1.63	1.83	1.70	1.59	1.54	1.58	1.66	1.62
	S2	1.59	1.68	1.75	1.68	1.62	1.67	1.76	1.66
	S3	1.82	2.12	2.04	2.07	1.89	1.96	2.11	1.97
	TOTAL		2.62	2.55	2.77	2.14	2.12	2.48	2.45
2010	N1	2.18	1.89	2.26	1.90	1.78	2.05	2.17	1.97
	N2	2.20	2.10	2.47	2.11	1.97	2.12	2.33	2.15
	N3	2.52	2.27	2.55	2.04	2.08	2.34	2.36	2.24
	NE1	2.35	2.72	2.63	2.48	2.37	2.47	2.61	2.45
	NE2	2.03	2.13	2.29	2.13	2.00	2.13	2.30	2.10
	NE3	2.10	2.27	2.68	2.48	2.15	2.24	2.51	2.27
	NE4	2.69	2.71	2.74	2.24	2.24	2.52	2.37	2.42
	C1	3.19	3.56	3.04	2.50	2.70	3.08	3.71	3.03
	C2	4.08	3.08	3.50	2.65	2.57	3.24	3.25	3.13
	C3	2.40	2.97	2.69	2.25	2.16	2.39	2.40	2.38
	BMR	6.44	7.76	7.92	6.35	6.75	6.65	6.44	6.66
	S1	2.32	2.73	2.55	2.33	2.19	2.27	2.44	2.36
	S2	6.01	2.40	3.20	2.43	2.26	4.96	8.70	4.14
	S3	2.77	3.20	3.14	3.15	2.72	3.08	3.72	3.02
	TOTAL		4.87	4.66	5.28	3.54	3.52	4.50	4.39

Appendix 6.40 GROWTH RATES OF INTER-REGION AND INTRA-REGION TRIP-ENDS (1990=1.0)

YEAR	INTER-, INTRA-REGION	VEHICLE CATEGORY								
		PC	LB	HB	PP	LT	MT	HT	TOTAL	
2000	INTER-REGION	N - NE	1.71	2.26	1.54	1.61	1.82	1.85	1.62	1.72
		N - C	2.49	1.77	2.72	1.79	1.73	1.91	2.04	2.08
		N - S	1.50	1.71	-	1.67	1.75	2.00	1.42	1.55
		NE - C	3.14	2.98	3.23	2.09	2.08	2.45	2.32	2.46
		NE - S	2.00	1.60	1.22	1.42	1.21	2.00	1.30	1.41
	C - S	3.06	4.52	2.73	1.89	1.79	2.14	2.46	2.44	
	INTRA-REGION	N - N	1.52	1.55	1.35	1.55	1.48	1.64	1.47	1.53
		NE - NE	1.60	1.81	1.52	1.52	1.72	1.74	1.64	1.66
		C - C	2.82	2.73	3.10	2.35	2.42	2.71	2.59	2.64
		S - S	1.63	1.78	1.66	1.81	1.72	1.72	1.62	1.72
2010		INTER-REGION	N - NE	2.02	2.83	1.72	1.93	2.27	2.33	1.85
	N - C		4.19	2.62	4.48	2.68	2.47	2.86	2.96	3.22
	N - S		1.88	2.14	-	2.13	2.00	3.00	1.58	1.86
	NE - C		5.37	5.13	5.42	3.01	2.96	3.66	3.60	3.83
	NE - S		2.38	1.60	1.33	1.78	1.50	3.50	1.46	1.71
	C - S	9.78	9.08	5.16	3.20	2.83	5.11	5.49	5.48	
	INTRA-REGION	N - N	1.81	1.97	1.53	1.87	1.82	2.04	1.69	1.84
		NE - NE	1.90	2.31	1.73	1.74	2.19	2.20	1.90	2.04
		C - C	5.34	5.18	6.33	4.17	4.42	5.12	4.68	4.90
		S - S	3.56	2.52	2.55	2.67	2.43	2.43	5.05	3.11

Appendix 6.41 GROWTH RATES OF REGIONAL GENERATED AND ATTRACTED TRIPS 2000/1990 (1990 = 1.0)

Region	VEHICLE CATEGORY							
	PC	LB	HB	PP	LT	MT	HT	TOTAL
Northern	1.74	1.57	1.79	1.60	1.54	1.70	1.76	1.65
Northeastern	1.80	1.89	1.93	1.77	1.73	1.83	1.86	1.80
Central	2.82	2.73	3.09	2.32	2.40	2.69	2.57	2.62
Southern	1.71	1.90	1.84	1.81	1.73	1.76	1.85	1.78
TOTAL	2.62	2.55	2.77	2.14	2.12	2.48	2.45	2.41
2010/1990								
Region	VEHICLE CATEGORY							
	PC	LB	HB	PP	LT	MT	HT	TOTAL
Northern	2.35	2.03	2.46	2.02	1.94	2.21	2.32	2.14
Northeastern	2.36	2.52	2.61	2.30	2.23	2.39	2.45	2.35
Central	5.34	5.17	6.22	4.06	4.36	5.06	4.63	4.85
Southern	3.89	2.81	2.99	2.69	2.45	3.65	5.13	3.31
TOTAL	4.87	4.66	5.28	3.54	3.52	4.50	4.39	4.28

Appendix 6.42 TRIP LENGTH DISTRIBUTION BY VEHICLE CATEGORY - 1990

(%)

TRIP LENGTH (km)	VEHICLE TYPE									
	PC	LB	MB	HB	PP	PT	LT	MT	HT	TOTAL
0- 50	39.3	19.4	40.8	30.5	24.6	26.1	26.2	25.8	18.9	27.7
50- 100	31.5	42.6	31.1	25.0	34.5	34.4	40.0	38.2	45.2	36.0
100- 150	14.2	27.0	12.9	15.5	19.6	17.9	16.9	18.9	15.6	17.2
150- 200	6.7	5.6	6.9	8.5	7.5	10.6	7.7	7.1	6.3	7.4
200- 250	2.4	2.0	4.8	4.9	4.9	5.3	5.0	3.7	3.5	3.8
250- 300	1.9	1.0	0.7	3.4	2.6	1.9	1.7	2.4	2.2	2.2
300- 350	1.1	0.9	0.5	3.2	1.8	1.4	0.7	1.2	1.5	1.5
350- 400	0.5	0.3	1.1	1.1	0.9	0.8	0.4	0.5	0.8	0.7
400- 450	0.4	0.2	0.3	1.5	0.8	0.3	0.2	0.3	0.9	0.6
450- 500	0.4	0.3	0.3	1.3	0.6	0.4	0.3	0.4	0.8	0.5
500- 550	0.2	0.1	0.1	0.6	0.5	0.2	0.3	0.2	0.8	0.4
550- 600	0.3	0.0	0.3	0.9	0.4	0.2	0.2	0.2	0.6	0.4
600- 650	0.2	0.1	0.0	0.9	0.2	0.2	0.0	0.1	0.9	0.4
650- 700	0.5	0.4	0.1	1.1	0.4	0.1	0.1	0.3	0.5	0.4
700- 750	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.2	0.1
750- 800	0.1	0.0	0.1	0.5	0.2	0.0	0.1	0.1	0.2	0.2
800- 850	0.1	0.0	0.0	0.3	0.1	0.0	0.1	0.1	0.2	0.1
850- 900	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.1	0.2	0.1
900- 950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
950-1000	0.1	0.1	0.0	2.0	1.0	0.0	0.0	0.1	0.2	0.1
1000-	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.6	0.2
AV. TRIP LENGTH	93.4	96.5	90.0	142.8	118.7	107.6	100.6	103.4	130.8	111.7

Appendix 6.43 TRIP LENGTH DISTRIBUTION OF PASSENGER VEHICLES
BY TRIP PURPOSE - 1990

(%)

TRIP LENGTH (KM)	TRIP PURPOSE				
	WORK	PRIVATE	TOUR	OTHERS	TOTAL
0- 50	35.3	31.3	9.0	35.9	32.1
50- 100	32.3	33.4	38.7	31.7	33.2
100- 150	16.8	17.3	15.7	20.1	17.0
150- 200	5.8	7.1	11.6	6.6	6.7
200- 250	3.4	3.6	5.1	2.8	3.6
250- 300	2.1	2.1	5.2	0.8	2.2
300- 350	1.3	1.5	2.7	0.3	1.5
350- 400	0.6	0.7	1.4	0.2	0.7
400- 450	0.5	0.7	1.5	0.3	0.6
450- 500	0.4	0.5	0.9	0.1	0.5
500- 550	0.3	0.3	0.7	0.1	0.3
550- 600	0.3	0.4	1.0	0.1	0.3
600- 650	0.2	0.2	0.5	0.0	0.2
650- 700	0.3	0.4	3.2	0.3	0.5
700- 750	0.1	0.1	0.7	0.0	0.1
750- 800	0.1	0.1	0.9	0.0	0.1
800- 850	0.1	0.1	0.4	0.2	0.1
850- 900	0.0	0.1	0.2	0.1	0.1
900- 950	0.0	0.0	0.1	0.0	0.0
950- 1000	0.0	0.1	0.4	0.0	0.1
1000-	0.0	0.1	0.3	0.2	0.1
AVE. TRIP LENGTH	97.3	105.9	179.1	86.5	105.4

Appendix 6.44

Appendix 6.45

Appendix 6.44 TRIP LENGTH DISTRIBUTION OF COMMODITY VEHICLES
BY COMMODITY GROUP -- 1990

(%)

TRIP LENGTH (KM)	TRIP PURPOSE				
	AGRI.	CONST.	MANUF	OTHERS	TOTAL
0- 50	17.9	22.9	23.2	28.6	23.2
50- 100	36.4	50.3	35.9	40.8	41.3
100- 150	18.7	16.9	19.3	13.6	17.1
150- 200	8.0	4.5	7.0	5.8	6.2
200- 250	5.3	1.8	4.2	3.4	3.6
250- 300	2.8	1.1	2.7	1.5	2.0
300- 350	1.9	0.6	1.7	1.2	1.3
350- 400	0.9	0.4	0.9	0.8	0.7
400- 450	1.0	0.2	0.9	0.5	0.7
450- 500	0.8	0.3	0.6	0.8	0.6
500- 550	1.0	0.3	0.7	0.5	0.6
550- 600	0.8	0.1	0.5	0.4	0.5
600- 650	1.2	0.2	1.0	0.3	0.7
650- 700	0.6	0.1	0.5	0.6	0.4
700- 750	0.1	0.1	0.1	0.1	0.1
750- 800	0.3	0.0	0.2	0.1	0.2
800- 850	0.3	0.1	0.2	0.2	0.2
850- 900	0.2	0.0	0.2	0.2	0.1
900- 950	0.0	0.1	0.1	0.0	0.1
950- 1000	0.4	0.0	0.1	0.3	0.2
1000-	1.2	0.1	0.2	0.3	0.5
AVE. TRIP LENGTH	154.6	91.8	125.2	113.6	120.0

Appendix 6.45 TRIP LENGTH DISTRIBUTION BY VEHICLE CATEGORY -- 2000

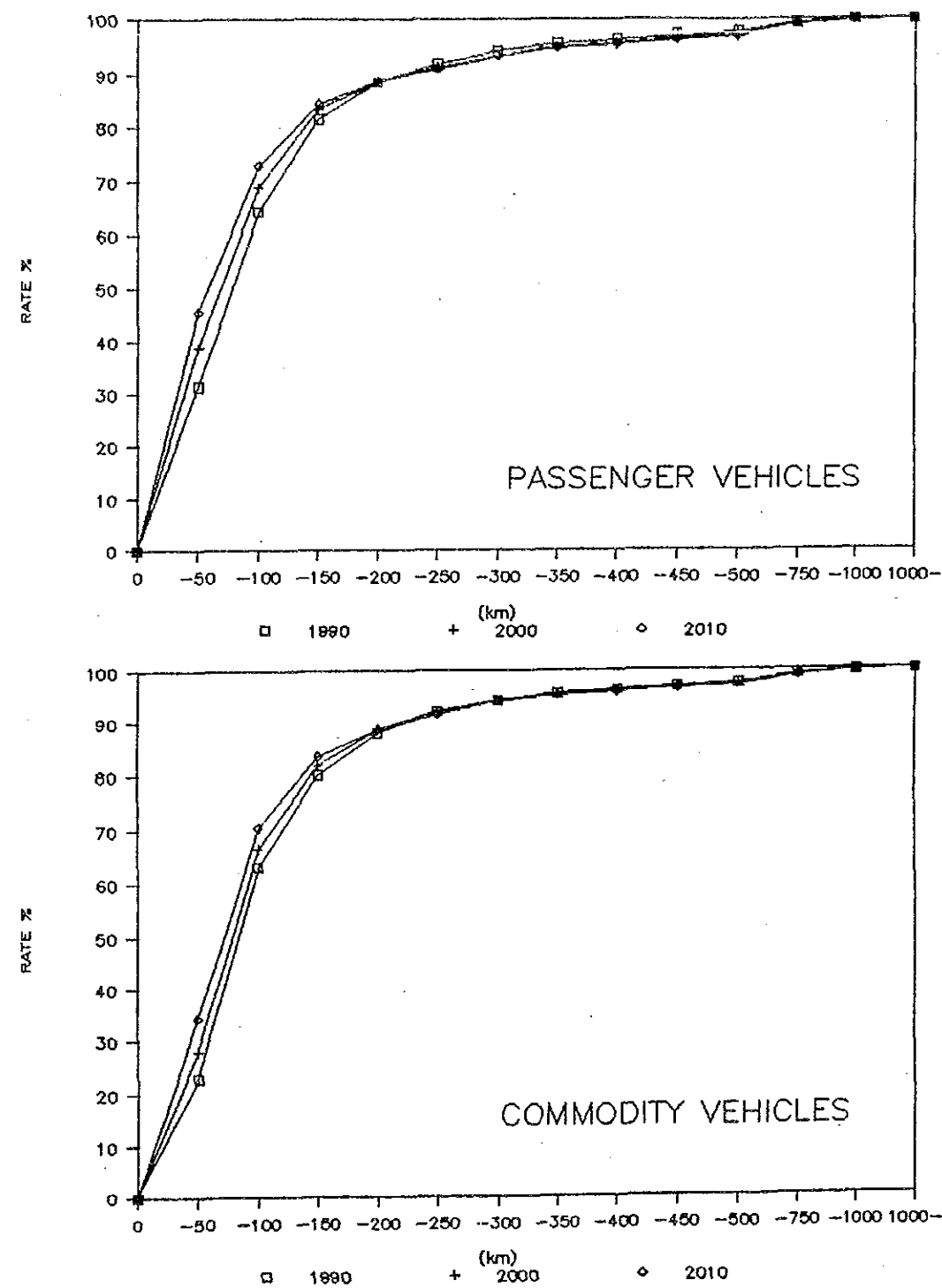
TRIP LENGTH (km)	VEHICLE CATEGORY							TOTAL
	PC	LB	HB	PP	LT	MT	HT	
0- 50	46.9	25.9	41.9	29.1	31.5	35.7	21.4	34.1
50- 100	27.4	40.1	22.3	34.4	34.2	33.1	44.1	33.6
100- 150	11.8	22.8	11.9	17.5	16.1	15.9	15.4	15.1
150- 200	5.2	4.6	5.5	6.0	8.4	5.8	5.6	5.9
200- 250	2.1	1.8	3.4	3.9	4.5	3.1	3.0	3.1
250- 300	1.8	1.1	3.0	2.4	1.8	2.4	2.0	2.1
300- 350	1.1	1.8	2.2	1.9	1.2	1.0	1.3	1.4
350- 400	0.6	0.2	1.1	0.9	0.6	0.5	0.7	0.7
400- 450	0.7	0.3	2.2	1.0	0.3	0.4	1.2	0.9
450- 500	0.4	0.3	1.2	0.6	0.4	0.5	0.7	0.6
500- 550	0.2	0.1	0.6	0.5	0.2	0.2	0.7	0.4
550- 600	0.4	0.0	1.0	0.5	0.2	0.3	0.6	0.4
600- 650	0.2	0.1	0.9	0.3	0.2	0.2	0.8	0.4
650- 700	0.6	0.5	1.0	0.5	0.1	0.4	0.5	0.5
700- 750	0.1	0.0	0.3	0.1	0.0	0.1	0.2	0.1
750- 800	0.1	0.0	0.5	0.2	0.0	0.1	0.2	0.2
800- 850	0.1	0.1	0.3	0.1	0.0	0.1	0.3	0.2
850- 900	0.1	0.1	0.3	0.1	0.1	0.1	0.2	0.1
900- 950	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
950- 1000	0.1	0.2	0.3	0.1	0.0	0.1	0.3	0.2
1000-	0.1	0.0	0.1	0.1	0.0	0.1	0.6	0.2
AVE. TRIP LENGTH	90.9	95.0	130.5	114.0	99.8	96.8	128.2	107.5

Appendix 6.46 TRIP LENGTH DISTRIBUTION BY VEHICLE CATEGORY — 2010

(%)

TRIP LENGTH (km)	VEHICLE CATEGORY							
	PC	LB	HB	PP	LT	MT	HT	TOTAL
0- 50	52.8	32.8	51.2	34.5	38.2	43.8	26.7	40.7
50- 100	23.6	39.2	19.6	33.5	33.0	29.7	41.7	30.0
100- 150	9.4	17.6	9.3	14.9	13.7	12.7	13.1	12.3
150- 200	4.1	4.1	3.9	5.1	6.8	4.4	4.4	4.7
200- 250	1.7	1.6	2.6	3.2	3.6	2.4	2.3	2.5
250- 300	3.1	1.0	2.5	2.1	1.5	3.0	3.4	2.6
300- 350	1.0	1.8	1.8	1.8	1.1	0.9	1.3	1.3
350- 400	0.6	0.1	1.1	0.9	0.5	0.5	0.6	0.6
400- 450	0.7	0.3	2.1	1.0	0.3	0.4	1.1	0.9
450- 500	0.4	0.3	1.1	0.5	0.4	0.4	0.7	0.5
500- 550	0.2	0.1	0.5	0.4	0.2	0.2	0.6	0.3
550- 600	0.3	0.0	0.9	0.5	0.1	0.2	0.6	0.4
600- 650	0.2	0.1	0.8	0.2	0.1	0.2	0.7	0.3
650- 700	0.6	0.5	0.9	0.5	0.1	0.3	0.5	0.5
700- 750	0.3	0.0	0.3	0.1	0.0	0.2	0.5	0.3
750- 800	0.1	0.0	0.4	0.2	0.0	0.1	0.2	0.1
800- 850	0.4	0.1	0.4	0.1	0.0	0.3	0.6	0.3
850- 900	0.1	0.1	0.3	0.1	0.1	0.0	0.2	0.1
900- 950	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
950- 1000	0.2	0.3	0.3	0.1	0.0	0.1	0.4	0.2
1000-	0.1	0.0	0.1	0.1	0.0	0.1	0.6	0.2
AV. TRIP LENGTH	91.4	88.2	116.4	107.0	90.5	91.2	125.8	102.6

Appendix 6.47 PRESENT AND FUTURE TRIP LENGTH DISTRIBUTION BY VEHICLE GROUP



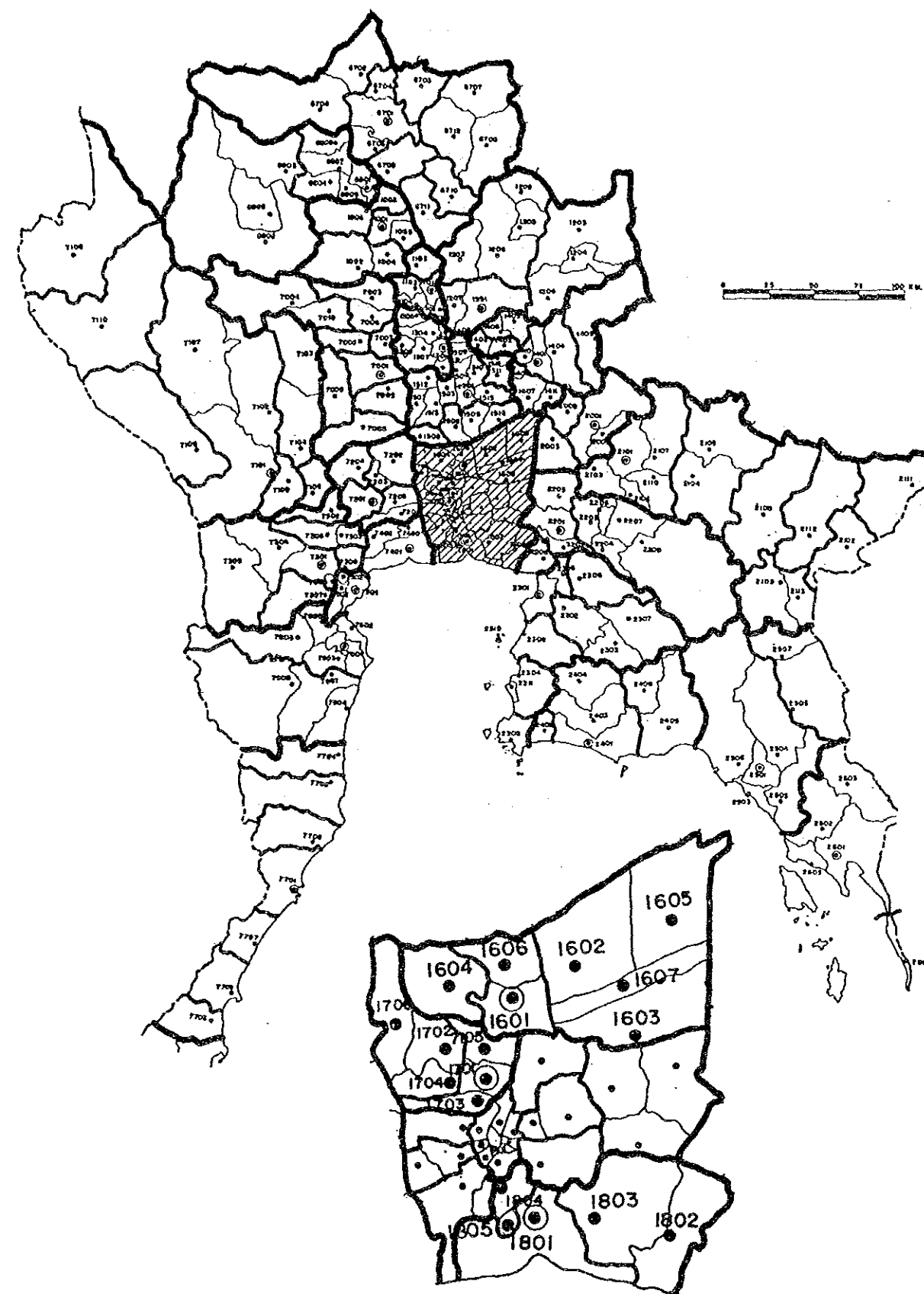
Appendix 6.48 NUMBER OF SUB-ZONES FOR TRAFFIC ASSIGNMENT BY CHANGWAT

CODE	CHANGWAT	NO. OF SUB-ZONES	CODE	CHANGWAT	NO. OF SUB-ZONES	CODE	CHANGWAT	NO. OF SUB-ZONES
1	BANGKOK METROPOLITAN *	8	41	LOEI	6	68	UTHAI THANI	2
10	CHAI NAT	3	42	UDON THANI	5	70	SUPHAN BURI	8
11	SING BURI	3	43	NAKHON PHANOM	4	71	KANCHANABURI	7
12	LOP BURI	3	44	SAKHON NAKHON	5	72	NAKHON PATHOM	4
13	ANG THONG	1	45	KHON KAEN	6	73	RATCHABURI	5
14	SARABURI	5	46	KALASIN	2	74	SAHUT SAKHON	1
15	PHRA NAKHON SI AYUTTHAYA	5	47	MAHA SARAKHAM	5	75	SAHUT SONGKHRAM	1
16	PATHUM THANI *	3	48	ROI ET	4	76	PHETCHABURI	2
17	NONTHABURI *	2	49	MUKDAHAN	2	77	PRACHUAP KHIRI KHAN	7
18	SAHUT PRAKAN *	3	50	CHIANG RAI	7	80	CHUMPHON	4
20	NAKHON NAYOK	3	51	WAE HONG SON	3	81	RANONG	4
21	PRACHIN BURI	7	52	CHIANG MAI	9	82	SURATTHANI	7
22	CHACHOENGSAO	3	53	PHAYAO	3	83	PHANG NGA	4
23	CHON BURI	6	54	NAN	3	84	NAKHON SI THAMMARAT	7
24	RAYONG	3	55	LAMPHUN	4	85	KRABI	3
25	CHANTHA BURI	2	56	LAMPANG	6	86	PHUKET	2
26	TRAT	2	57	PHRAE	4	90	PHATTHALUNG	2
30	CHAIYAPHUM	5	60	UTTARADIT	2	91	TRANG	4
31	YASOTHON	2	61	SUKHOTHAI	6	92	SONGKHLA	8
32	UBON RATCHATHANI	6	62	TAK	4	93	SATUN	3
33	SI SA KET	5	63	PHITSANULOK	3	94	PATTANI	4
34	BURIRAK	4	64	KAMPHAENG PHET	4	95	YALA	4
35	NAKHON RATCHASIMA	11	65	PHICHIT	5	96	NARATHIWAT	3
36	SURIN	6	66	PHETCHABUN	7			
40	NONG KHAI	4	67	NAKHON SAWAN	7	TOTAL		317

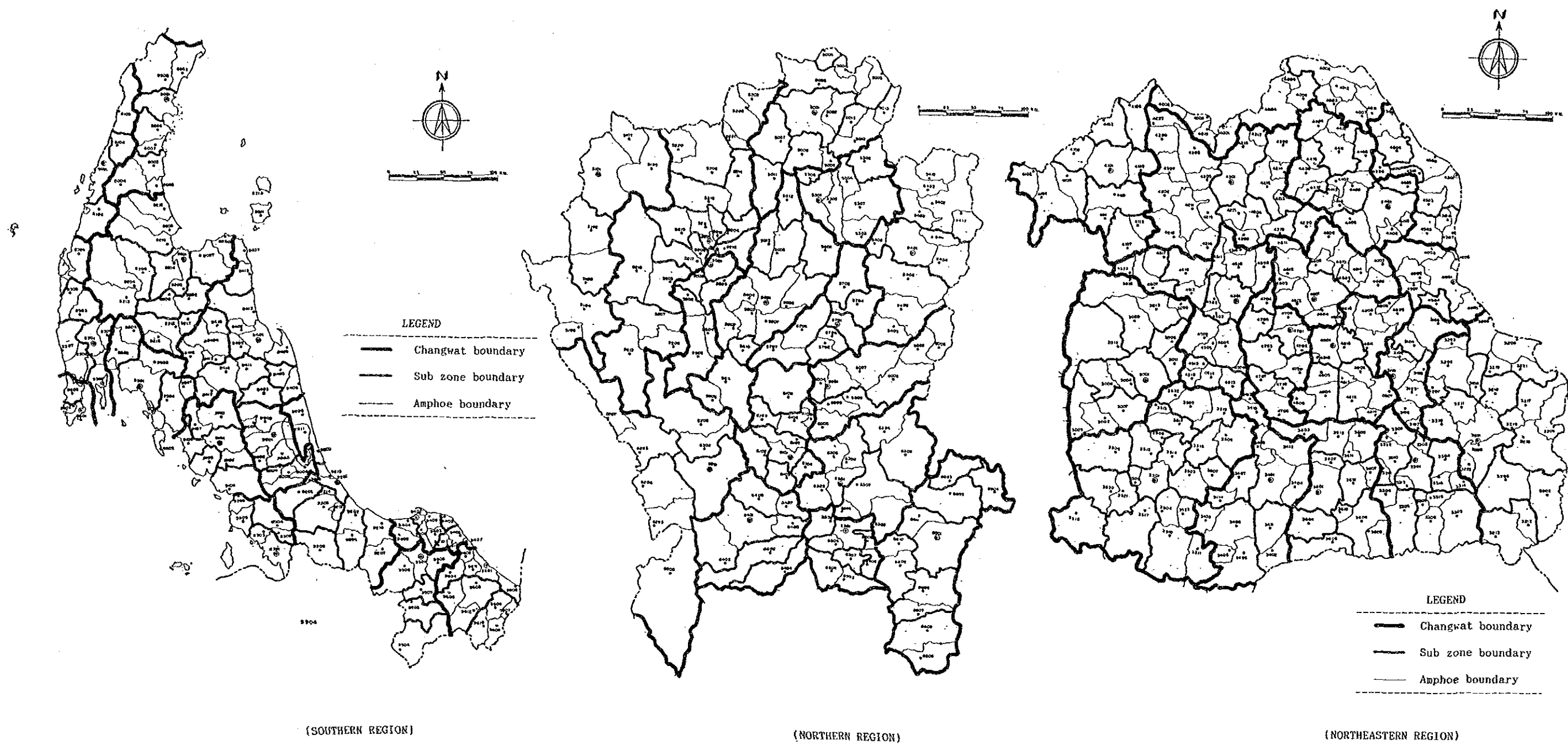
Notes:

- * Sub-zone OD table is estimated from BMA OD data.
- The used code is the code of the Land Transport Department (LTD).

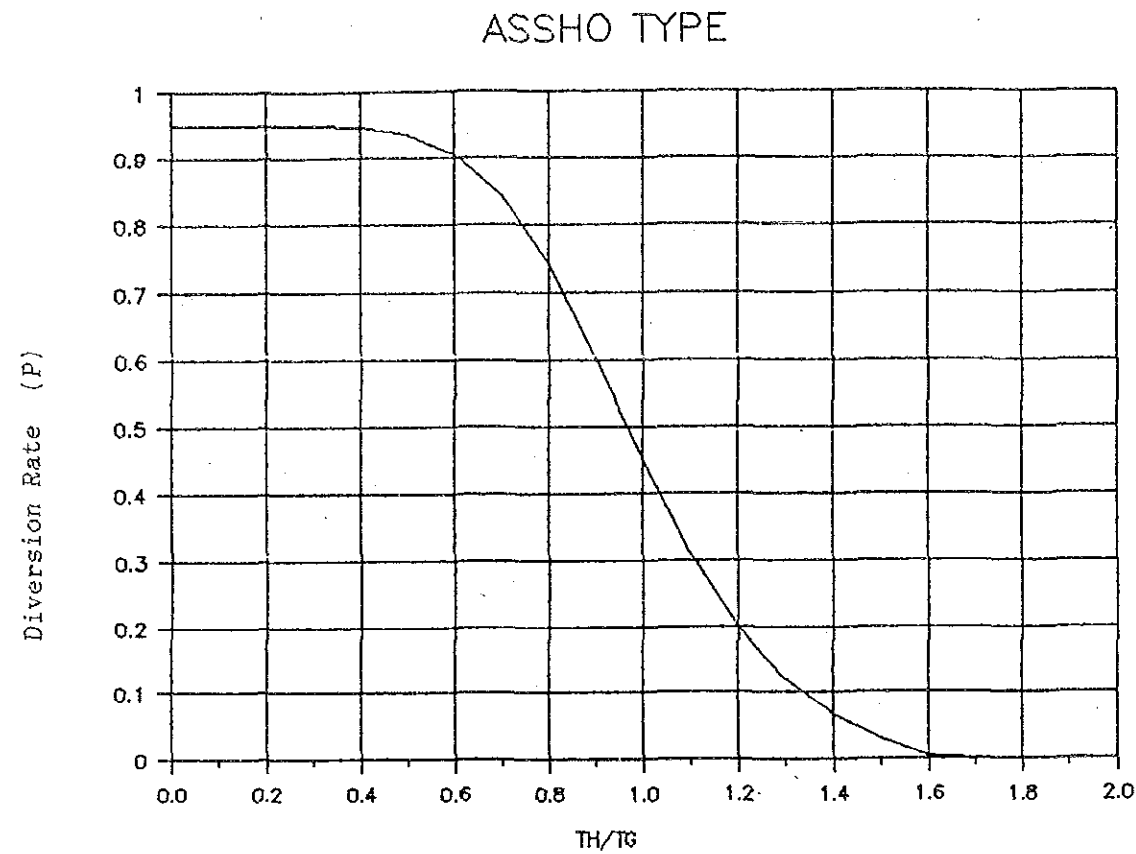
Appendix 6.49 SUB-ZONING SYSTEM OF THE STUDY AREA



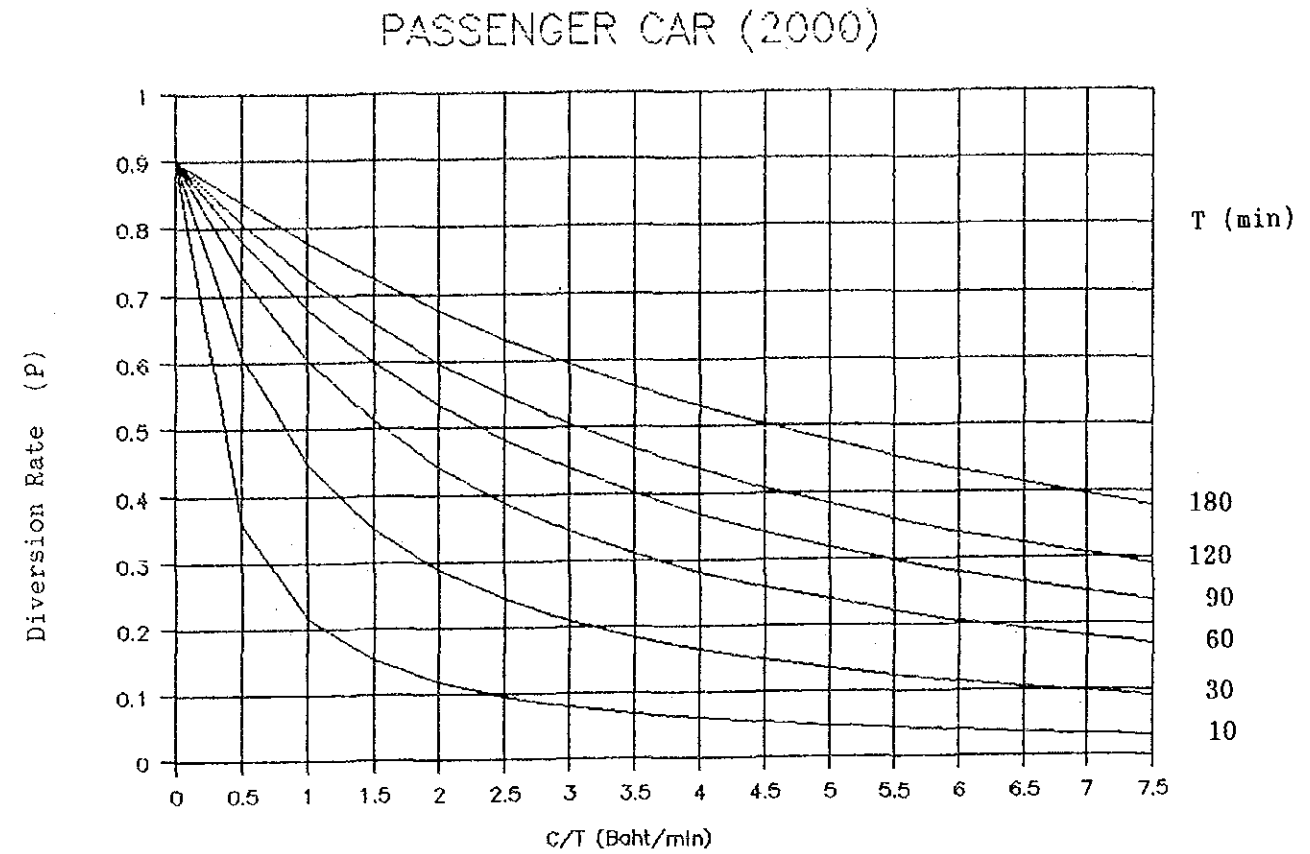
Appendix 6.49 SUB-ZONING SYSTEM OF THE STUDY AREA



Appendix 6.51 AASHYO DIBERSION CURVE



Appendix 6.52 NIHON DORO KODAN DIVERSION CURVES



Example: Assume a trip on both motorways and ordinary highways in the year 2010 under the following conditions:

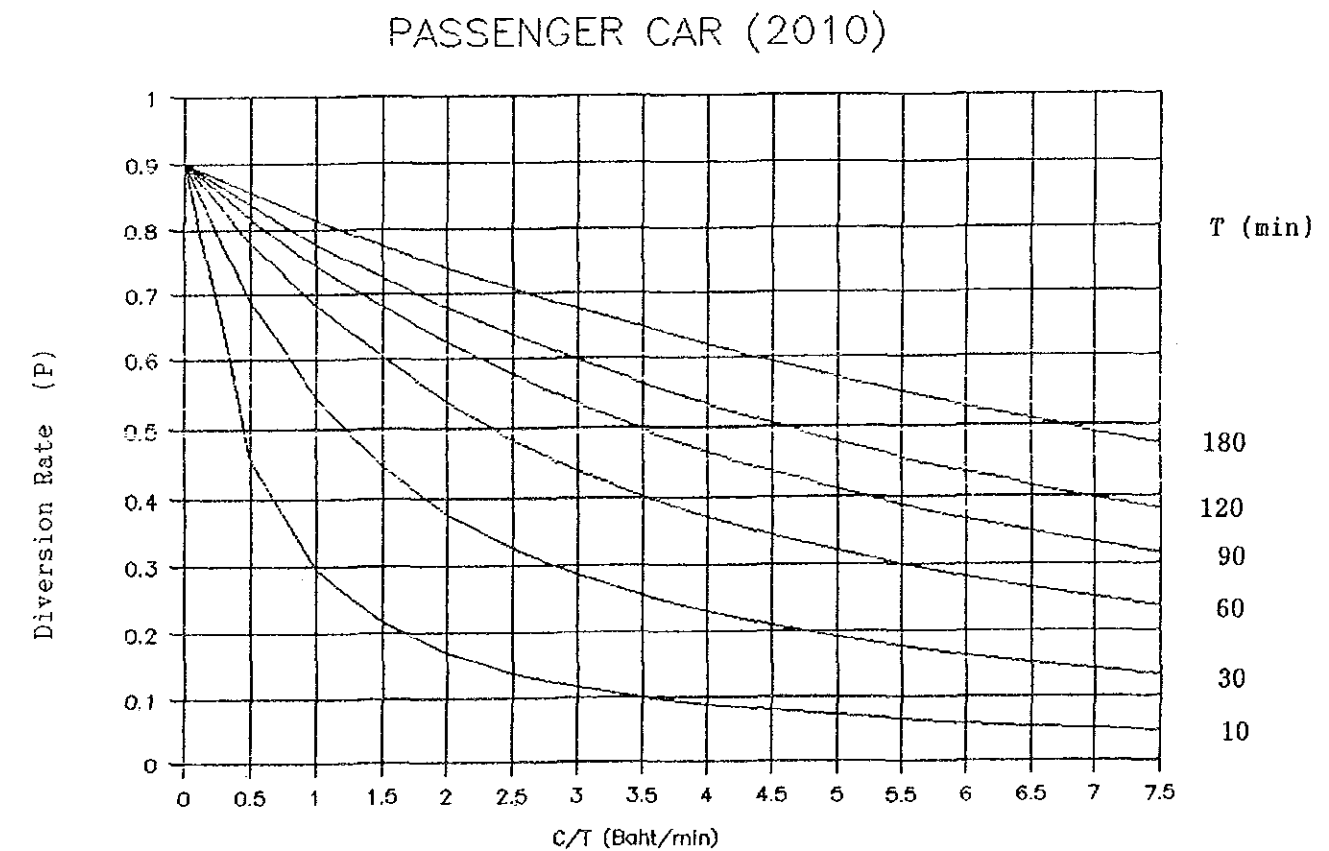
	Motorways	Ordinary highways
Length (km)	500	500
Speed (km/hr)	90	50
Time (min.)	333	250
Toll Rate "C" (Baht)	500	-

Time difference "T" = 333 - 250 = 83 min.

$$C / T = 500 / 83 = 6.02$$

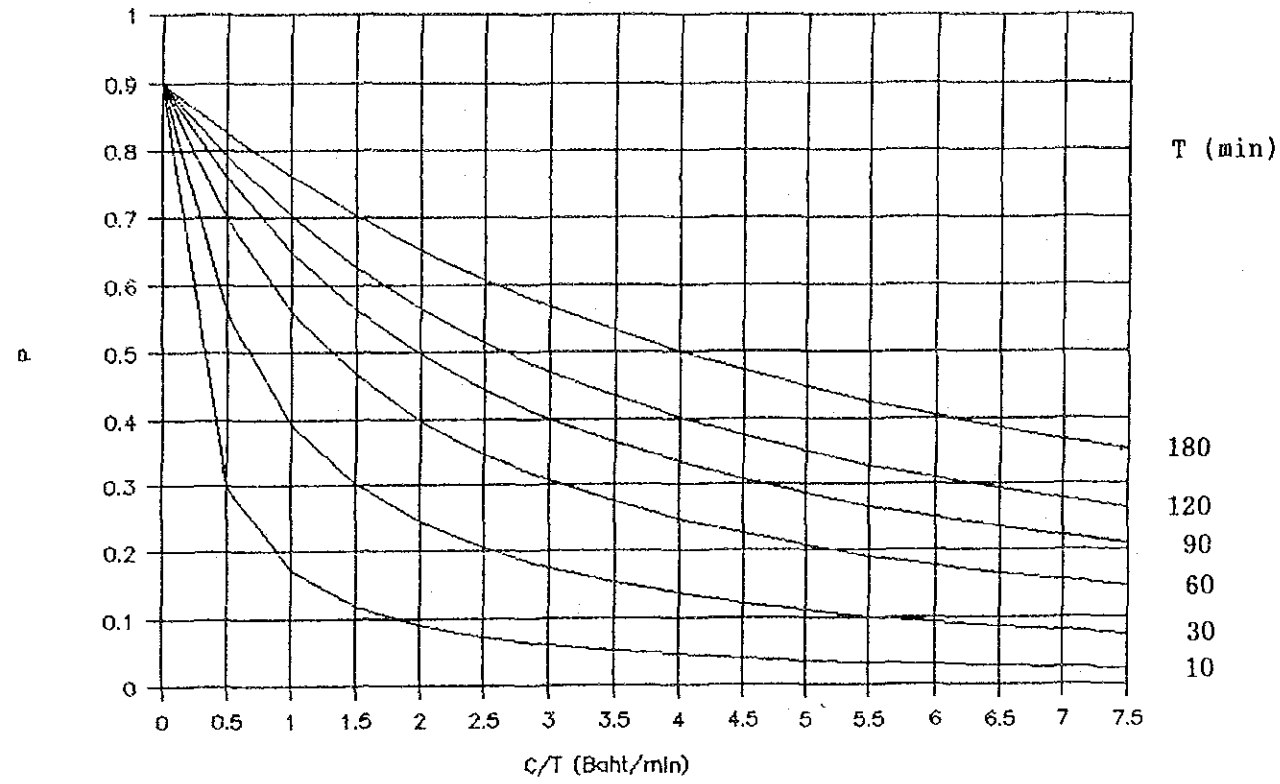
Using the curves of Nihon Doro Kodan in Appendix 6.52 for the case of passenger car:

Diversion Rate "P" = 35 % (approximately)

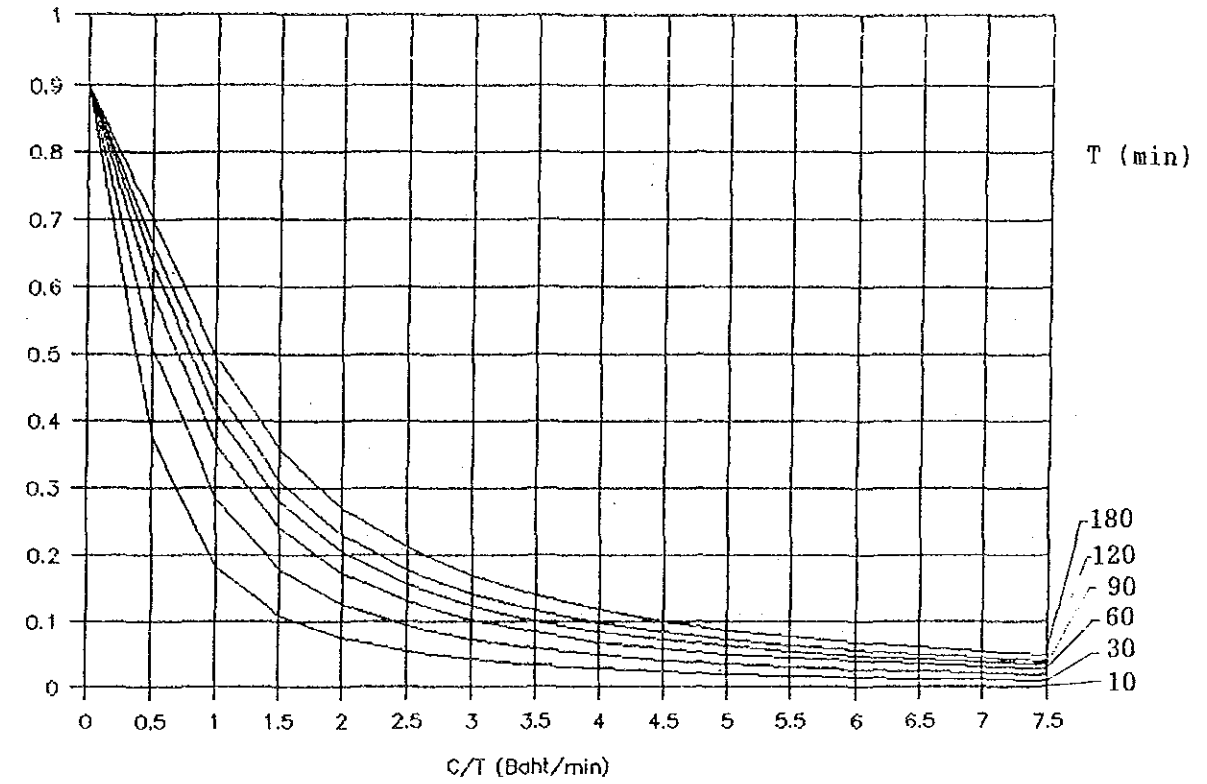


Appendix 6.52 NIHON DORO KODAN DIVERSION CURVES

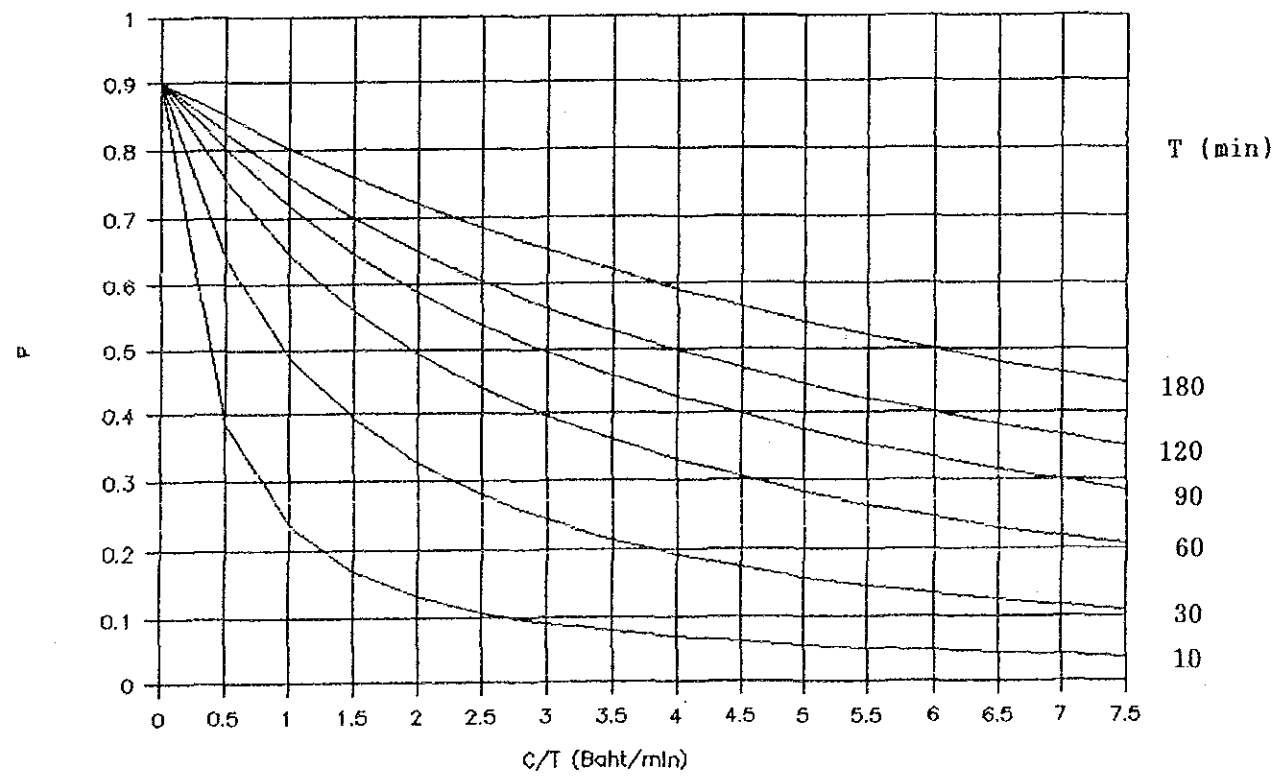
LIGHT TRUCK (2000)



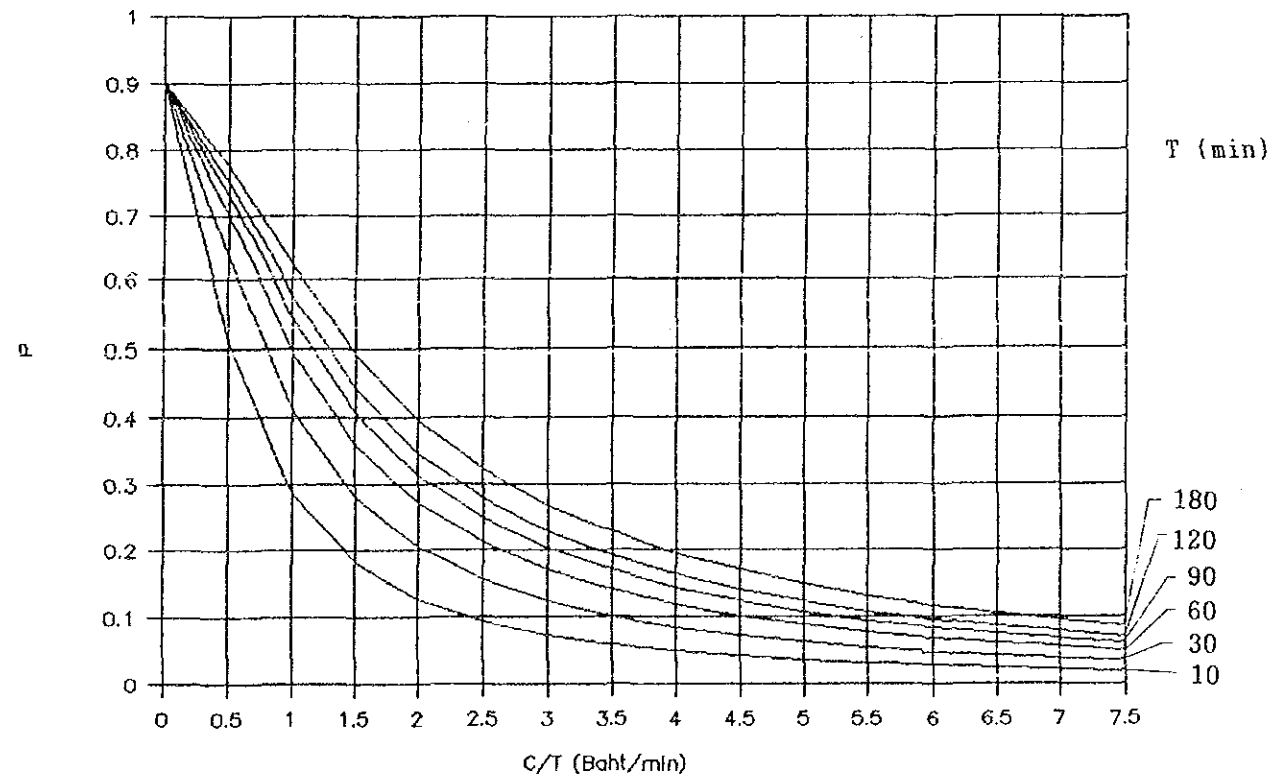
HEAVY TRUCK (2000)



LIGHT TRUCK (2010)



HEAVY TRUCK (2010)



Appendix 6.53 TRAFFIC ASSIGNMENT CASES

Case No.	Year	Toll Motorways			Toll Rate (Bt/km)	Induced Traffic	Diversion Formula
		Network	Length (km)	Lanes			
I. "Without Project" Cases (for national highway network only):							
1	1990						
2	2000						
3	2010						
II. "With Project" Cases (for both networks):							
4	2010	Tentative	5851	4-L	0.0	With	AASHTO
5					0.25		
6					0.5		
7					0.75		
8					1.0		
9					3.0		
10					5.0		
11					10.0		
12	2010	Tentative	5851	4-L	0.0	With	KODAN
13					0.25		
14					0.5		
15					0.75		
16					1.0		
17					3.0		
18					5.0		
19					10.0		
20	2010	Tentative	5851	4-L	0.0	Without	KODAN
21					1.0		
22	2010	Proposed	4345	4-L	1.0	With	KODAN
23	2010	Proposed	4345	4&6-L	1.0	With	KODAN
24						Without	
III. Implementation Staging Plans:							
25	1995	Scenario 1	701	4&6-L	1.0	With	KODAN
26	2000	Case 1-1	1891				
27	2000	Case 1-2	1201				
28	1995	Scenario 2	1004				
29	2000	Case 2-1	2126				
30	1995	Scenario 3	704				
31	2000	Case 3-1	1668				
32	2000	Case 3-2	1497				

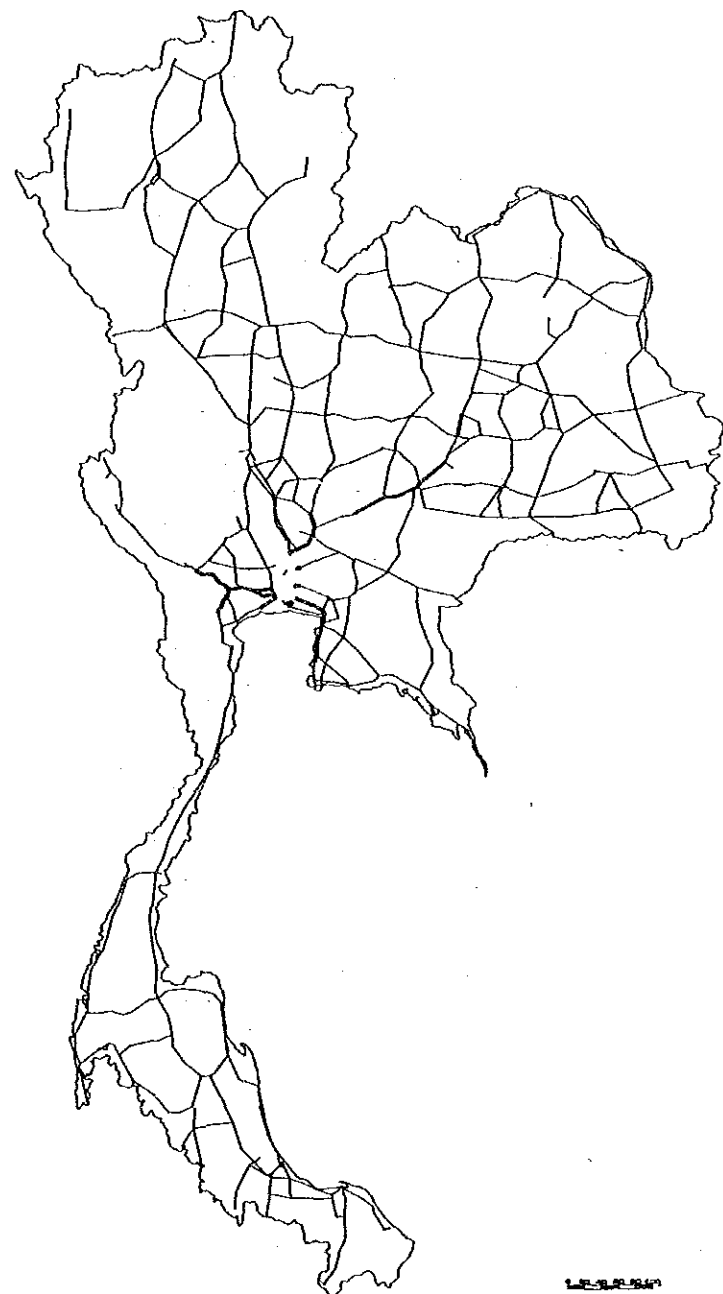
Appendix 6.54 TRAFFIC VOLUME MATCHING RATES ON REGION BOUNDARIES - 1990

INTER-REGION	COUNTED TRAFFIC VOLUME (A)				ASSIGNED TRAFFIC VOLUME (B)				MATCHING RATE (B/A)			
	PC	BUS	PU+T	TOTAL	PC	BUS	PU+T	TOTAL	PC	BUS	PU+T	TOTAL
N - NE	311	269	1987	2567	351	390	2260	3001	1.13	1.45	1.14	1.17
C - N	4042	2014	12222	18278	4080	2331	13317	19728	1.01	1.16	1.09	1.08
C - NE	1973	1985	11908	15866	1766	2184	12123	16073	0.90	1.10	1.02	1.01
C - S	837	645	4330	5812	816	795	4281	5892	0.97	1.23	0.99	1.01
TOTAL	7163	4913	30447	42523	7007	5681	31872	44560	0.98	1.16	1.05	1.05

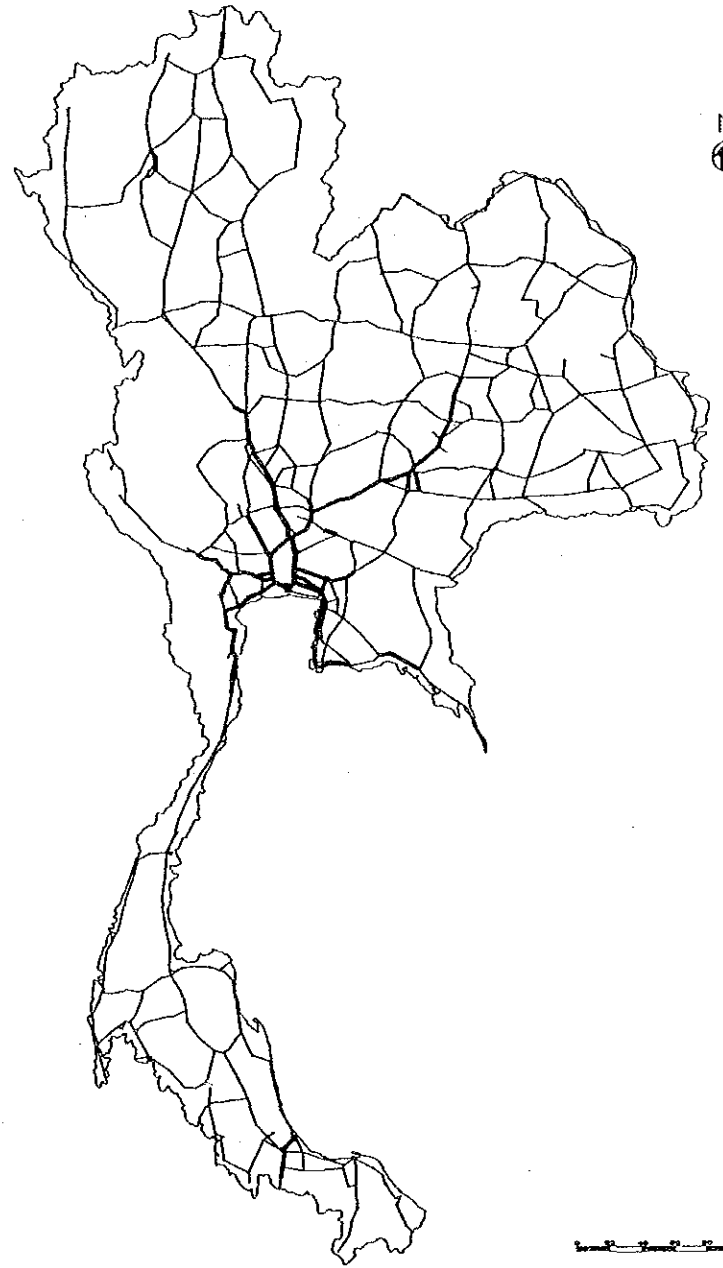
Appendix 6.55 TRAFFIC VOLUME MATCHING RATES ON DIVISION BOUNDARIES - 1990

REGION INTER-DIVISION	COUNTED TRAFFIC VOLUME (A)				ASSIGNED TRAFFIC VOLUME (B)				MATCHING RATE (B/A)				
	PC	BUS	PU+T	TOTAL	PC	BUS	PU+T	TOTAL	PC	BUS	PU+T	TOTAL	
N	N1 - N2	2459	1107	6717	10283	2368	954	6436	9758	0.96	0.86	0.96	0.95
	N1 - N3	803	371	1837	3011	1088	502	2359	3949	1.35	1.35	1.28	1.31
	N2 - N3	1349	566	2968	4883	1183	584	3503	5270	0.88	1.03	1.18	1.08
	REGION TOTAL	4611	2044	11522	18177	4639	2040	12298	18977	1.01	1.00	1.07	1.04
NE	NE1 - NE2	1604	1065	6216	8885	1682	1206	7121	10009	1.05	1.13	1.15	1.13
	NE1 - NE3	552	405	2200	3157	499	337	2376	3212	0.90	0.83	1.08	1.02
	NE1 - NE4	1701	1480	6792	9973	1147	1353	7629	10129	0.67	0.91	1.12	1.02
	NE2 - NE3	389	360	2435	3184	377	389	2671	3437	0.97	1.08	1.10	1.08
	NE3 - NE4	569	667	3675	4911	469	498	3164	4131	0.82	0.75	0.86	0.84
REGION TOTAL	4815	3977	21318	30110	4174	3783	22961	30918	0.87	0.95	1.08	1.03	
C	C1 - C2	385	622	3372	4379	300	217	2488	3005	0.78	0.35	0.74	0.69
	C1 - C3	6247	3818	32307	42372	8031	6767	29456	44254	1.29	1.77	0.91	1.04
	C2 - BKR	12121	4375	43638	60134	12719	5446	45306	63471	1.05	1.24	1.04	1.06
	C3 - BKR	24027	13817	60496	98340	21071	15188	69945	106204	0.88	1.10	1.16	1.08
	REGION TOTAL	42780	22632	139813	205225	42121	27618	147195	216934	0.98	1.22	1.05	1.06
S	S1 - S2	1570	859	6310	8739	1466	887	5948	8301	0.93	1.03	0.94	0.95
	S2 - S3	1868	749	5035	7652	2002	797	5783	8582	1.07	1.06	1.15	1.12
	REGION TOTAL	3438	1608	11345	16391	3468	1684	11731	16883	1.01	1.05	1.03	1.03
DIVISION BOUNDARY TOTAL	55644	30261	183998	269903	54402	35125	194185	283712	0.98	1.16	1.06	1.05	

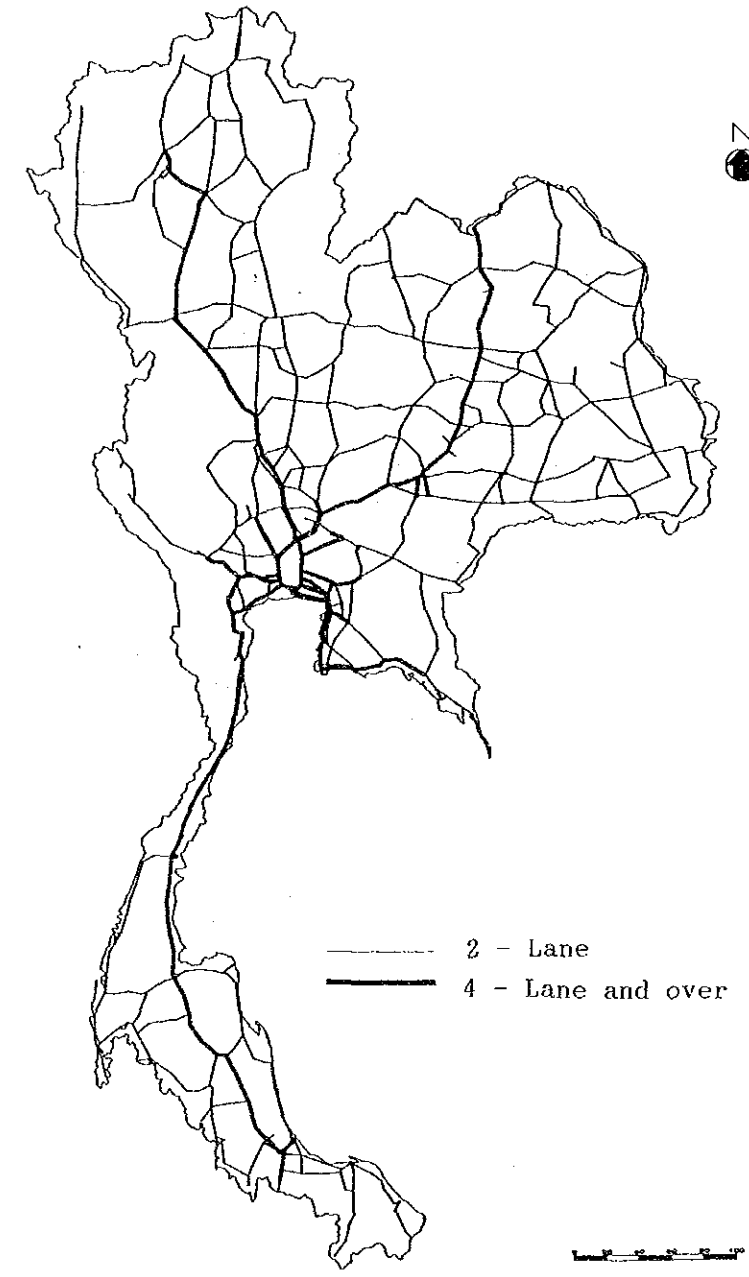
Appendix 6.56 PRESENT AND FUTURE NATIONAL HIGHWAY NETWORKS



NATIONAL HIGHWAY NETWORK IN 1990

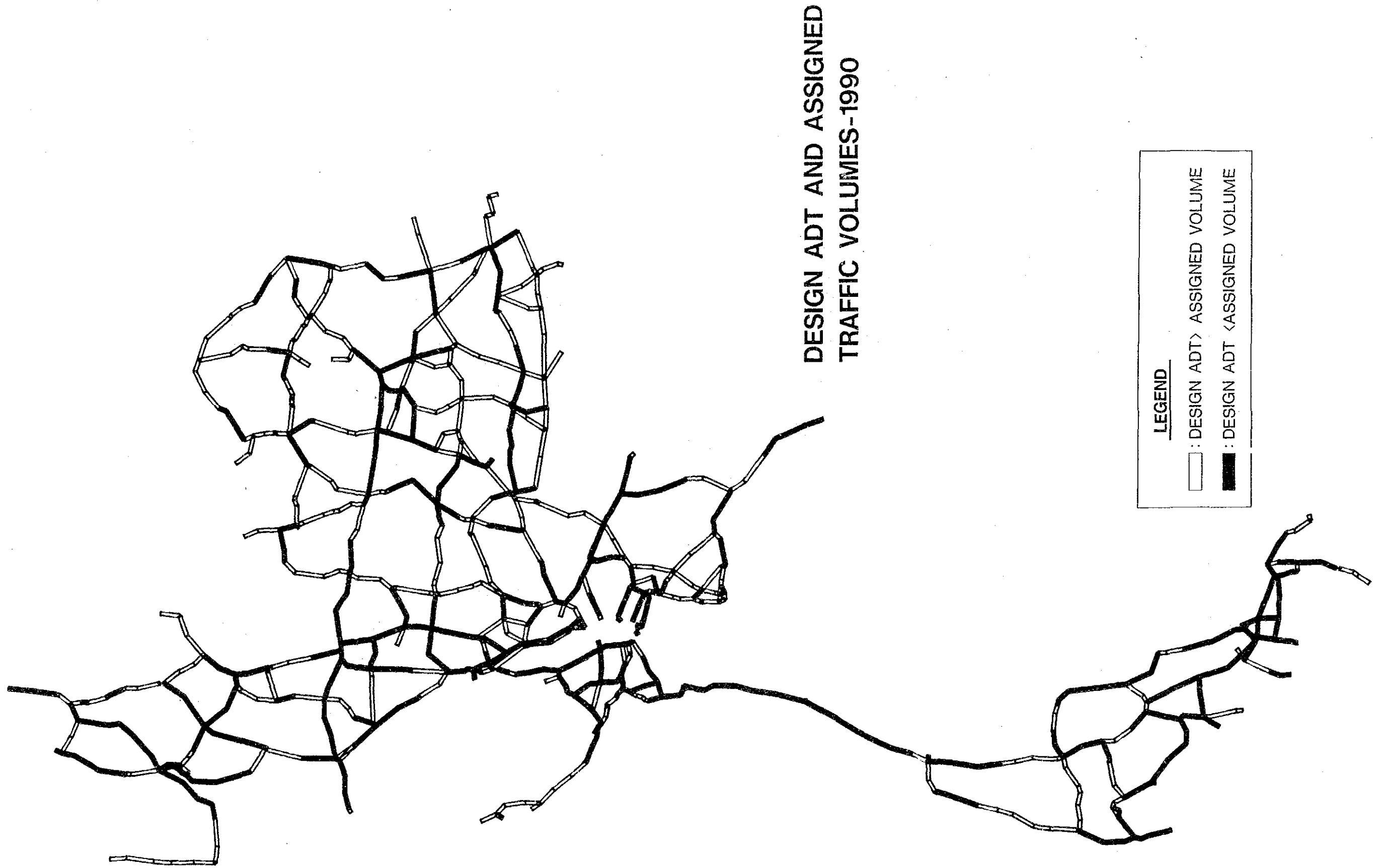


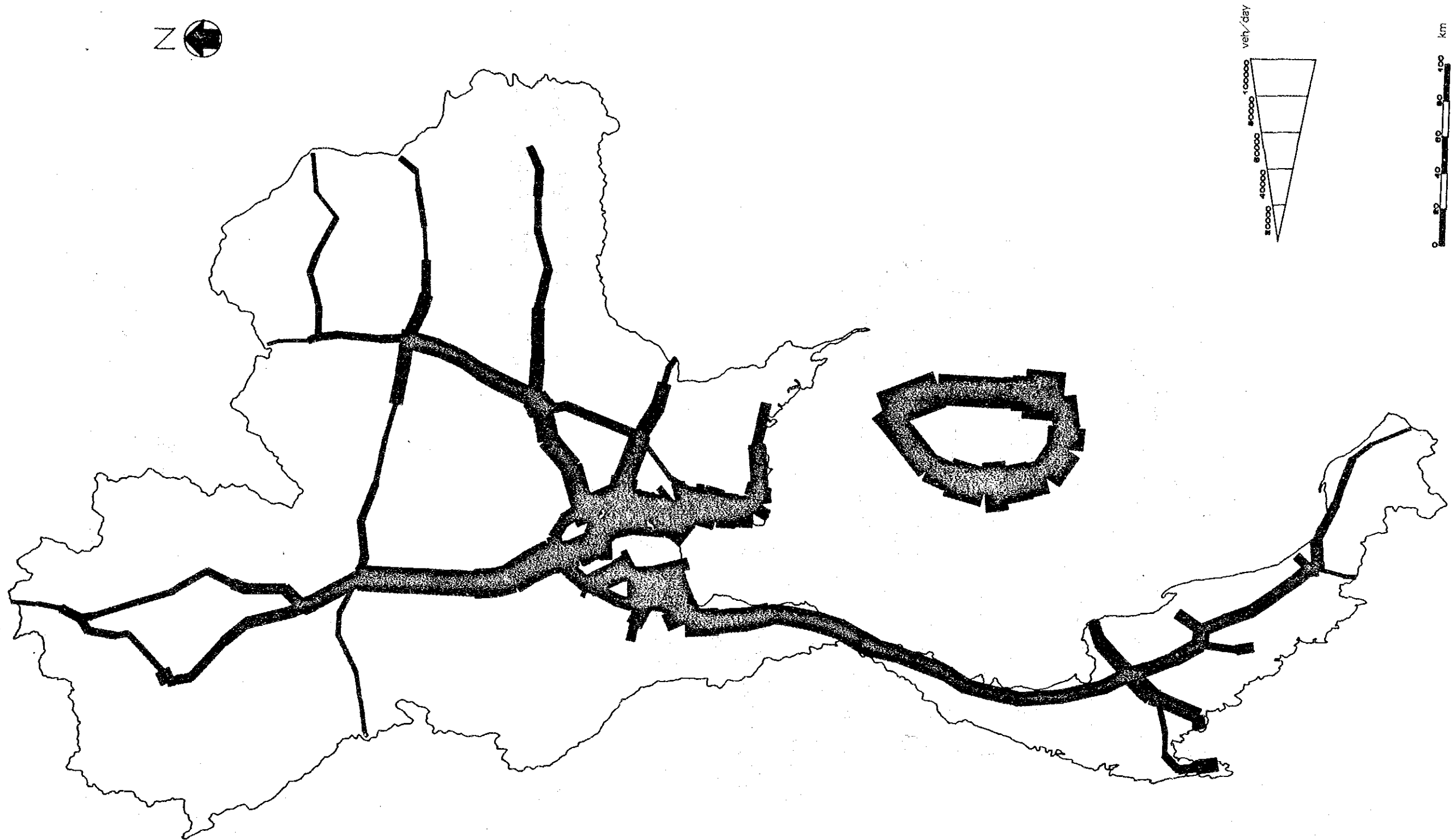
NATIONAL HIGHWAY NETWORK IN 2000



NATIONAL HIGHWAY NETWORK IN 2010

— 2 - Lane
— 4 - Lane and over





Appendix 6.59 ASSIGNED TRAFFIC VOLUMES ON NATIONAL HIGHWAY NETWORK (WITH TENTATIVE NETWORK) — 2010



Appendix 6.60 ASSIGNED TRAFFIC VOLUMES ON NATIONAL HIGHWAY NETWORK (WITH PROPOSED NETWORK) - 2010



Appendix 6.61 TRIP LENGTH DISTRIBUTION OF INDUCED TRIPS — 2010

(%)

Trip Length (km)	Vehicle Category							
	PC	LB	HB	PP	LT	MT	HT	Total
0- 50	2.8	4.6	1.5	3.5	3.6	2.6	2.4	3.0
50- 100	30.1	29.1	18.9	32.9	38.2	34.6	43.0	34.5
100- 150	28.3	41.7	25.0	26.2	29.6	32.4	22.7	27.7
150- 200	12.9	11.2	10.5	12.9	14.3	11.3	7.7	11.9
200- 250	3.6	2.3	4.5	5.3	4.6	4.2	3.2	4.2
250- 300	4.4	2.0	6.0	3.8	2.7	4.2	2.9	3.6
300- 350	1.9	1.7	2.9	2.3	1.7	1.4	1.6	1.9
350- 400	2.1	0.4	3.3	2.0	1.2	1.4	1.1	1.6
400- 450	2.3	1.1	5.9	2.4	0.7	1.3	2.6	2.1
450- 500	1.3	1.2	3.2	1.3	0.9	1.2	1.5	1.3
500- 550	0.5	0.3	1.0	1.0	0.4	0.5	1.1	0.7
550- 600	1.7	0.1	3.3	1.4	0.4	0.9	1.4	1.3
600- 650	1.2	0.2	3.1	0.8	0.4	0.7	2.1	1.1
650- 700	3.8	1.9	4.4	1.9	0.5	1.7	1.6	2.1
700- 750	0.1	0.0	0.7	0.3	0.1	0.1	0.3	0.2
750- 800	0.6	0.2	1.3	0.6	0.1	0.2	0.4	0.4
800- 850	0.6	0.3	1.5	0.4	0.1	0.5	1.0	0.6
850- 900	0.4	0.3	1.2	0.3	0.2	0.2	0.6	0.4
900- 950	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1
950-1000	1.0	1.3	1.4	0.3	0.2	0.5	1.3	0.7
1000-	0.3	0.1	0.3	0.3	0.1	0.3	1.5	0.5
Av. Trip Length	203.5	156.9	280.7	185.3	142.0	165.7	203.9	185.6

Appendix 6.62 ASSIGNED TRAFFIC VOLUMES OF IMPLEMENTATION PLANS

Plan	Route No.	Length (km)	1000 Veh-km	Veh-hr	Av. Vol.	
Scenario 1 (1995)	1	264	2251	20192	8528	
	3	196	2179	19150	11117	
	4	108	1267	11172	11735	
	31	46	474	4150	10311	
	32	47	697	6123	14839	
	36	40	120	1045	2989	
Case 1-1 (2000)	1	387	5621	49862	14525	
	2	199	4093	36298	20567	
	3	196	4728	41748	24125	
	4	608	8195	72730	13478	
	31	170	5314	46626	31260	
	32	47	1091	9587	23217	
	34	60	339	2961	5649	
	36	40	25	223	636	
Case 1-2 (2000)	41	184	523	4622	2842	
	1	264	3341	29781	12654	
	2	376	6221	55284	16547	
	3	196	4674	41195	23848	
	4	108	2097	18519	19417	
	31	170	5182	45526	30481	
Scenario 2 (1995)	32	47	1096	9627	23315	
	36	40	29	258	736	
	1	68	689	6039	10130	
	2	62	939	8317	15143	
	3	126	1781	15668	14139	
	4	54	191	1683	3533	
	31	170	2959	25904	17405	
	32	47	982	8619	20897	
	33	62	266	2328	4295	
	34	60	160	1403	2673	
	36	355	1355	11913	3817	
	Case 2-1 (2000)	1	449	6260	54937	13943
2		376	6090	54056	16198	
3		126	3548	31419	28161	
4		481	6509	57680	13532	
31		170	5178	45578	30459	
32		47	1090	9604	23185	
33		62	325	2831	5237	
34		60	255	2225	4247	
Scenario 3 (1995)	36	355	2019	17799	5686	
	1	578	6332	57451	10955	
	3	126	1502	13270	11918	
	Case 3-1 (2000)	1	578	8190	74032	14170
		3	126	3454	30705	24710
		4	780	9845	87256	12622
		41	184	452	3980	2455
	Case 3-2 (2000)	1	578	8225	74346	14229
		2	376	6314	56098	16793
		3	126	3535	31501	28055
4		417	6652	58990	15953	

Appendix 7.1 LENGTH OF MOTORWAYS AND INDICES IN VARIOUS COUNTRIES

	Length of Motorways (km)	Population (1,000 persons) (1988)	Area (1,000km) (1988)	Per Capita GNP (US\$) (1988)
USA	83,214	244,523	9,363	19,813
ITALY	7,515	57,399	301	14,384
FRANCE	11,330	55,990	551	16,962
F.R. GERMANY	10,300	61,242	249	19,741
JAPAN	14,000	122,890	378	23,382
AUSTRIA	1,666	7,602	84	12,412
BELGIUM	1,567	9,865	31	15,125
SWITZERLAND	1,856	6,625	41	28,213
INDONESIA (JAVA Is.)	1,016	105,796	132	540
MALAYSIA (peninsula)	877	10,267	132	2,356
TAIWAN	818	19,450	36	6,147
KOREA	3,500	42,080	99	4,082

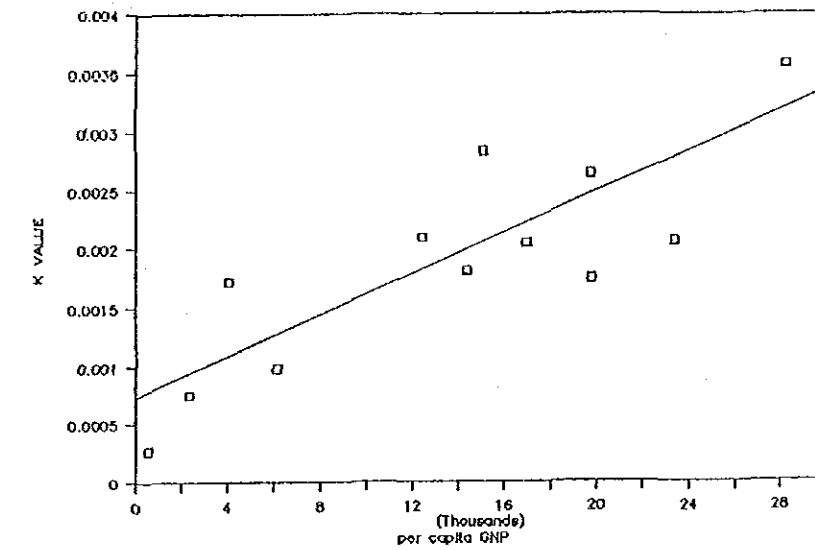
Note: The length of motorways in each country is totaled by the existing, constructing and planning in 1988.

Appendix 7.2 RELATIONSHIP BETWEEN K AND G

$$L = K \sqrt{A \times P} \quad (\text{equation 1})$$

where, L : road length
K : function of GNP Per Capita Income (G)
A : area
P : population

$$K = 0.000686056 + 0.000000087 \times G \quad (\text{equation 2})$$



RELATIONSHIP BETWEEN K AND G

Appendix 7.3 DETAILS OF MAJOR POINTS BY CHANGWAT

REGION	CHANGWAT	DESIGNATED CITIES						CITY NAME	DESIGNATED INDUSTRIAL DEVELOPMENT	LARGE INDUSTRIAL ESTATES ---	AIRPORT		MAIN SEA PORT	MAIN INLAND PORT	MAIN INTEREST PLACES	TOTAL
		+1	+2	+3	++1	++2	++3				INTER-NATIONAL	LOCAL				
NORTHERN	PHICHIT															
	NAKHON SAWAN		1		1			1 TAKHLI						1		
	LAMPHUN								1	NORTHERN REGION						
	SUKHOTHAI													1		
	CHIANG RAI			1				1				1				
	PHAYAO											1				
	PHRAE											1				
	KAM PHAENG PHET															
	PHETCHABUN															
	PHITSANULOK		1			1							1			
	CHIANG MAI	1			1							1			1	
	LAMPANG			1				1					1			
	UTTARADIT							1								
	UTHAI THANI													1		
	NAN												1			
	TAK												1	MAE SOT		
MAE HONG SON												1				
		1	2	2	2	1	4		1		1	8		2	2	26
NORTH-EASTERN	MAHA SARAKHAM							1								
	SURIN			1				1								
	KHON KAEN	1			1			1 BAN PHAI 1 MUANG PHON				1				
	SI SA KET															
	ROI ET			1				1								
	BURIRAM															
	KALASIN							1								
	YASOTHON															
	NONG KHAI															
	NAKHON RATCHASIMA	1			1			1 PAK CHONG					1		2 PHI MAI 2 KHAO YAI	
	UDON THANI		1					1					1			
	NAKHON PHANOM							1								
	UBON RATCHATHANI			1	1			1 PHIBUN MANGSAHAN					1			
SAKHON NAKHON CHAIYAPHUM			1									1				
MUKDAHAN																
LOEI												1				
		2	1	4	3	1	9		2			6		2		30

Appendix 7.3 DETAILS OF MAJOR POINTS BY CHANGWAT

REGION	CHANGWAT	DESIGNATED CITIES			MAIN MUNICIPALITY			DESIGNATED INDUSTRIAL DEVELOPMENT	LARGE INDUSTRIAL ESTATES ***	AIRPORT		MAIN SEA PORT	MAIN INLAND PORT	MAIN INTEREST PLACES	TOTAL	
		*1	*2	*3	**1	**2	**3			INTERNATIONAL						
EASTERN	CHON BURI	1				1	1	1	LAEM CHABANG	2		2		1	PATTAYA	18
	RAYONG			1			1	1	HAP TA PHUT	1		1				5
	CHACHOENGSAO			1			1			3						5
	NAKHON NAYOK															
	PRACHIN BURI															
	TRAT											1				1
WESTERN	CHANTHABURI						1									1
	SAMUT SONGKHRAM						1					1		1	MAEKLONG	3
	SUPHAN BURI													1		1
	RATCHABURI		1				1		1	1				1		4
	PHETCHABURI			1			1					1			BAN LAEM	3
	PRACHUAP KHIRI KHAN						1	1	HUA HIN			1			1	HUA HIN
SUB-CENTRAL	KANCHANABURI			1			1						1	1		4
	ANG THONG															
	SING BURI															1
	AYUTTHAYA						1			3				1	1	8
	SARABURI			1			1			2						4
	CHAI NAT													1		1
BHR	LOP BURI						1									1
	BMA						1			3	1	1	1	1	BANGKOK	8
	NONTHABURI						1							1		2
	SAMUT PRAKAN						1			3						4
	SAMUT SAKHON						1			1				1		3
	NAKHON PATHOM						1							1		2
PATHUM THANI									3				1		4	
		1	1	5	2	5	11	2		22	1	2	8	12	5	77

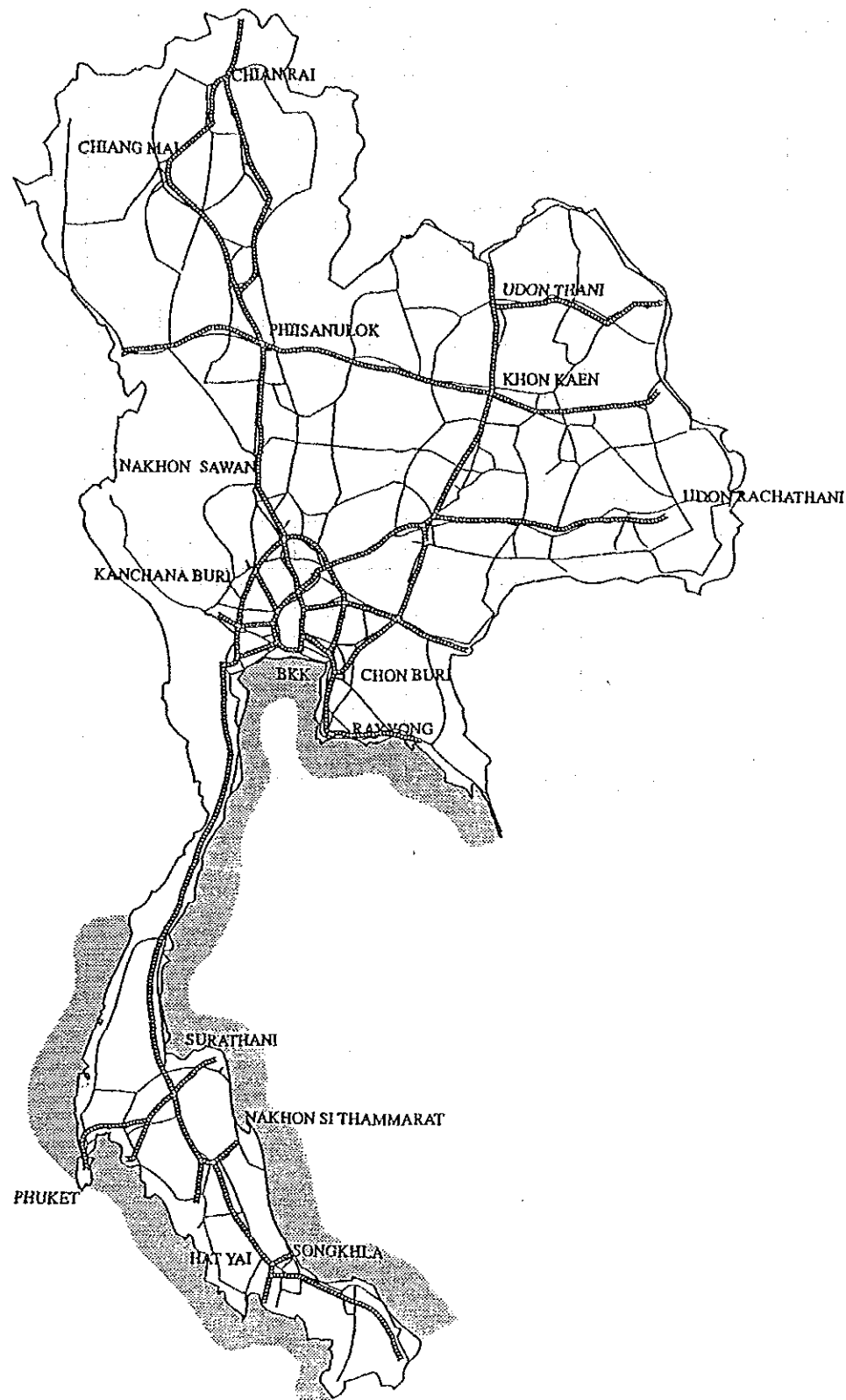
Appendix 7.3 DETAILS OF MAJOR POINTS BY CHANGWAT

REGION	CHANGWAT	DESIGNATED CITIES			MAIN MUNICIPALITY			DESIGNATED INDUSTRIAL DEVELOPMENT	LARGE INDUSTRIAL ESTATES ***	AIRPORT INTER-NATIONAL	MAIN SEA PORT	MAIN INLAND PORT	MAIN INTEREST PLACES	TOTAL	
		*1	*2	*3	**1	**2	**3								
SOUTHERN	PHUKET		1				1	1	□	1			1	6	
	PATTANI			1			1				1			4	
	SONGKHLA	1					1		□		1			4	
	HAT YAI				1		1		□	1			1 HAT YAI	8	
	NAKHON SI THAMMARAT			1		1						2	SICHON PAK PHANANG	5	
	PHATTHALUNG						1							1	
	NARATHIWAT						1				1		1 SUNGAI KOLUK	4	
	STRANG						1				1	1	KHANTANG	3	
	SATUN											1		1	
	YALA						1							1	
	CHUMPHON											1		1	
	KRABI							1	KRABI			1		2	
	SURAT THANI		1				1	2	KHANOH BAN NA SAN		1		1	BANDON 1 KO SAMUI	7
	PHANG NGA														
RANONG													1		
TOTAL		1	2	2	1	3	6	3	3	2	5	12	4	44	
GRAND TOTAL		5	6	13	8	10	30	5	28	4	21	28	14	177	

LEGEND

- *1: Designated cities (1st Priority)
- *2: Designated cities (2nd Priority)
- *3: Designated cities (3rd Priority)
- **1: More Than 100,000 persons (as of 1988)
- **2: More Than 50,000 persons
- **3: More Than 30,000 persons
- ****: ■ IEAT (EXISTING)
- IEAT (ON GOING OR PLANNED)
- PRIVATE (EXISTING)
- PRIVATE (ON GOING OR PLANNED)

Appendix 7.4 TENTATIVE TOLL MOTORWAY NETWORK



TENTATIVE TOLL MOTORWAY NETWORK

Appendix 7.5 SUMMARY OF RESULTS OF TENTATIVE TOLL MOTORWAY ROUTING

STEP 1

1. Routes connecting Bangkok and Designated Cities (1st priority) to establish the nationwide arterial roads network.

No.	Origin, Destination (Changwats)
TR-1	OBRR (Bangkok), (Ayutthaya), (Ang Thong), (Sing Buri), (Chai Nat), (Nakhon Sawan), (Phichit), (Phrae), (Phitsanulok), (Uttaradit), (Lampang), (Lampun), <u>Chiang Mai</u> (Chiang Mai)
TR-2	OBRR (Bangkok), (Saraburi), (Nakhon Ratchasima), <u>Khon Kaen</u> (Khon Kaen)
TR-3	OBRR (Bangkok), (Chachoengsao), <u>Chon Buri</u> (Chonburi)
TR-4	OBRR (Bangkok), (Nakhon Pathum), (Ratchaburi), (Phetchaburi), (Prachuap Khiri Khan), (Chumporn), (Surat Thani), (Nakhon Si Thammarat), (Phatthalung), <u>Hat Yai - Songkhla</u> (Songkhla)

2. Routes connecting Designated Cities (1st priority) and the border of the main neighbour countries to promote the international exchange between them.

No.	Origin, Destination (Changwats)
TR-2	Khon Kaen (Khon Kaen), (Udon Thani), <u>Nong Khai</u> (Nong Khai) ----- Laos -----
TR-4	Hat Yai (Songkhla), <u>Khlong Pruan</u> ----- Malaysia -----

Appendix 7.5 SUMMARY OF RESULTS OF TENTATIVE TOLL MOTORWAY ROUTING

3. Routes connecting Bangkok and National Industrial Development area, and linking between the main cities in the area.

No.	Origin, Destination (Changwats)
TR-3	Chon Buri (Chon Buri), Phattaya (Chon Buri), Map Ta Phut (Rayong), Rayong (Rayong), ----- Eastern Seaboard Development Area -----
TR-6	Krabi (Krabi), Distribution Centre (Surat Thani), Khanom (Nakhon Si Thammarat) ----- Southern Seaboard Development Area -----

4. Routes connecting Bangkok and the main international interesting places.

No.	Origin, Destination (Changwats)
	Bangkok - Ayutthaya - Chiang Ma covered by TR-1
	Bangkok - Hua Hin - Phattaya covered by TR-4

5. Routes forming Outer Bangkok Ring Road (OBRR) which has following roles :

- to reorganize the urban structure of Bangkok Metropolitan Region.
- to smoothly and effectively treat the extremely heavy traffic volume.
- to be Bypass for passing through traffic between regions.

No.	Origin, Destination (Changwats)
TR-5	----- OBRR -----

STEP 2

1. Routes connecting Designated Cities (2nd priority) and Bangkok, Designated Cities (1st priority) or the routes adopted in STEP 1.

No.	Origin, Destination (Changwats)
	Bangkok - <u>Nakhon Sawan</u> - Phitsanulok covered by TR-1 - Chiang Mai
	Khon Kaen - <u>Udon Thani</u> covered by TR-2
	Bangkok - <u>Ratchaburi</u> - <u>Surat Thani</u> covered by TR-4
TR-41	(Surat Thani TR-4), (Krabi), (Phangnga), <u>Phuket</u> (Phuket)

2. Routes connecting the border of the neighbour countries and the routes adopted in STEP 1.

No.	Origin, Destination (Changwats)
TR-11	Uttaradit (Uttaradit, TR-1) (Phayao), <u>Mae Sai</u> (Chiang Rai) ----- Myanmar -----
TR-12	<u>Mae Sot</u> (Tak), (Sukhothai), (Phitsanulok), (Phetchabun), (Khon Kaen), (Maha Sarakham), (Kalasin), (Roi Et), <u>Mukdahan</u> (Ubon Ratchathani) ----- Myanmar, Laos -----
TR-32	OBRR (Bangkok) (Pathum Thani), (Nakhon Nayok), <u>Aranya Prathet</u> (Prachin Buri) ----- Kampuchea -----
TR-42	Hat Yai (Songkhla, TR-4) (Pattani) <u>Sungai Kolok</u> (Narathiwat) ----- Malaysia -----

3. Routes connecting other international interesting places and the routes adopted in STEP 1.

No.	Origin, Destination (Changwats)
TR-33	<u>Chon Buri</u> (Chon Buri, TR-3), (Chachoengsao), (Prachin Buri), <u>Nakhon Ratchasima</u> (Nakhon Ratchasima)

Appendix 7.5 SUMMARY OF RESULTS OF TENTATIVE TOLL MOTORWAY ROUTING

4. Routes connecting other international interesting places and the routes adopted in STEP 1.

No.	Origin, Destination (Changwats)	
	Phitsanulok (TR-1) - <u>Sukhothai</u>	covered by TR-12
TR-31	Ratchaburi (Ratchaburi, TR-4), <u>Kanchanaburi</u> (Kanchanaburi)	
	(Surat Thani, TR-41), (Krabi), (Phang Nga), <u>Phuket</u> (Phuket)	covered by TR-41

STEP 3

1. Routes connecting Designated Cities (3rd priority) and the Routes adopted STEP 1 or STEP 2.

No.	Origin, Destination (Changwats)	
TR-101	Chiang Mai (Chiang mai), <u>Chiang Rai</u> (Chiang Rai)	
TR-201	Udon Thani (Udon Thani, TR-2), <u>Sakhon Nakhon</u> (Sakhon Nakhon)	
TR-202	Nakhon Ratchasima (Nakhon Ratchasima, TR-2), (Buriram), <u>Surin</u> (Surin)(Si Sa Ket), <u>Ubon Ratchathani</u> (Ubon Ratchathani)	
TR-401	A. Ron Phibun (Nakhon Si Thammarat, TR-4), <u>Nakhon Si Thammarat</u> (Nakhon Si Thammarat)	
	Lampang	covered by TR-1, TR-11
	Roi Et	covered by TR-12
	Saraburi	covered by TR-2
	Chachoengsao	covered by TR-33
	Royong	covered by TR-3
	Kanchanaburi	covered by TR-31
	Phetchaburi	covered by TR-4
	Pattani	covered by TR-42

2. Routes bringing up the urban activities of satellite cities located within 50-100 km from Bangkok and encouraging the interrelation between them.

No.	Origin, Destination (Changwats)
TR-301	Ratchaburi, Tha Wung (Lop Buri)
TR-302	Tha Wung (Lop buri, Bang Pakong (Chachoengsao)
TR-303	OBRR, Suphan Buri (Suphan Buri)

STEP 4

1. Routes connecting Changwat Center with more than 30,000 population and the routes adopted in STEP 1 - STEP 3.

No.	Origin, Destination (Changwats)
TR-2001	Sakhon Nakhon (Sakhon Nakhon), <u>Nakhon Phanom</u> (Nakhon Phanom)
TR-3001	Rayong (Rayong), <u>Chanthaburi</u>
TR-4001	A. Thung Song (Nakhon Si thammarat), <u>Trang</u> (Trang)