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APPENDICES

APPENDIX A

SUMMARY STATISTICS FOR DINDAENG FLATS

Table Ap. A1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From home Trips/DU	Total Trips/DU	% Trip makers to Resident	Trips per Person	Trips per Trip-maker
1&2	11	1.36	2.72	71.4	1.43	2.00
3	31	2.10	4.29	69.9	1.40	2.05
4	32	3.03	6.12	75.8	1.43	2.02
5	34	3.94	7.94	78.2	1.53	2.03
6	31	4.03	8.13	67.2	1.59	2.02
7	24	5.54	11.25	79.2	1.35	2.03
8	20	6.85	13.80	85.6	1.61	2.01
9	7	6.85	13.71	76.2	1.72	2.00
10 or more	18	7.78	15.61	73.0	1.44	2.01
All Sizes	208	4.30	8.67	75.4	1.52	2.02

Table Ap. A2: Mean Trip Generation and Percentage of trip-makers by Car Ownership

Cars per DU	No. of DU	From home Trips/DU	Total Trips/DU	% Trip makers to Residents	Trips per Person	Trips per Trip-maker
0	187	4.30	8.63	74.4	1.50	2.01
1	21	4.29	9.05	84.9	1.79	2.11
All Sizes	208	4.30	8.67	75.4	1.52	2.02

Table Ap. A3 : Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
1 & 2	11	0.45	0.45	1.36	0.46	2.72
3	31	1.00	0.61	2.10	0.58	4.29
4	32	1.34	1.16	3.03	0.59	6.12
5	34	1.68	1.62	3.94	0.70	7.94
6	31	1.32	2.26	4.03	0.52	8.13
7	24	2.45	2.58	5.54	0.68	11.25
8	20	2.80	3.35	6.85	0.80	13.80
9	7	3.14	3.14	6.86	0.57	13.71
10 or more	18	3.72	3.22	7.78	0.89	15.61
All Sizes	208	1.83	1.90	4.30	0.64	8.67

Table Ap. A4 : Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons/DU	No. of DU	From-home Trips/DU	Total Trips/DU
1	2	1.00	2.00
2	21	1.52	3.05
3	32	2.44	4.97
4	33	3.27	6.48
5	33	4.18	8.57
6	26	4.69	9.46
7	25	5.36	11.64
8	17	7.59	14.12
9	8	7.63	15.25
10 or more	11	8.18	16.45
All Sizes	208	4.30	8.67

Table Ap.A5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips/DU
0	13	0	4.00
1	77	0.90	6.82
2	55	1.71	8.13
3	33	2.61	10.85
4	16	3.94	12.81
5	10	4.90	15.10
6 or more	4	5.00	16.50
Av. =2.04	$\Sigma = 208$	Av. =1.83	Av. =8.67

Table Ap.A6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips/DU	Total Trips/DU
0	43	0	4.46
1	50	0.98	6.64
2	45	2.02	9.31
3	37	2.97	10.95
4	21	3.90	12.67
5	9	5.00	15.00
6 or more	3	6.00	18.33
Av. = 1.91	$\Sigma = 208$	Av. =1.90	Av. =8.67

Table Ap. A7: Trip Generation by Travel Mode and Trip Purpose

Mode Purpose.	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Walking Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.08	4.5	0.09	5.0	1.53	83.5	0.13	7.0	1.83	100.0
School	0	0.2	0.01	0.3	1.27	66.8	0.62	32.7	1.90	100.0
Business	0.02	38.5	0.01	7.7	0.03	53.8	0	0	0.06	100.0
Serve passenger	0.02	100.0	0	0	0	0	0	0	0.02	100.0
Shopping	0	0	0	0	0.08	17.0	0.37	83.0	0.45	100.0
Social, recreation	0.01	8.7	0	4.4	0.08	73.9	0.02	13.0	0.11	100.0
Home	0.10	2.3	0.09	2.1	2.97	69.0	1.14	26.6	4.30	100.0
Total	0.23	2.7	0.20	2.3	5.96	68.7	2.28	26.3	8.67	100.0



Table Ap. A 8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	187	0	0	0.15	1.8	6.12	70.9	2.36	27.3	8.63	100.0
1	21	2.33	25.8	0.57	6.3	4.53	50.0	1.62	17.9	9.05	100.0
Tot.	208	0:23	2.7	0.20	2.3	5.96	68.7	2.28	26.3	8.67	100.0

## Work Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	187	0	0	0.06	3.5	1.64	89.0	0.14	7.5	1.84	100.0
1	21	0.81	47.2	0.33	19.4	0.52	30.6	0.05	2.8	1.71	100.0
Tot.	208	0.08	4.5	0.09	5.0	1.53	83.5	0.13	7.0	1.83	100.0

## School Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	187	0	0	0.01	0.3	1.25	66.3	0.63	33.4	1.89	100.0
1	21	0.05	2.4	0	0	1.43	71.4	0.52	26.2	2.00	100.0
Tot.	208	0	0.2	0.01	0.3	1.27	66.8	0.62	32.7	1.90	100.0

APPENDIX B

SUMMARY STATISTICS FOR HUAYKWANG

Table Ap.B1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
1&2	3	1.00	2.00	60.0	1.20	2.00
3	11	2.09	4.45	69.7	1.48	2.12
4	3	4.00	8.00	100.0	2.00	2.00
5	6	3.17	7.00	63.3	1.40	2.21
6	18	4.39	9.00	70.4	1.50	2.13
7	16	4.88	10.38	68.7	1.48	2.15
8	9	5.33	10.78	66.7	1.35	2.02
9	6	7.17	14.67	77.7	1.63	2.10
10 or more	8	6.68	15.00	66.7	1.48	2.22
All Sizes	80	4.50	9.43	69.8	1.49	2.13

Table Ap.B2: Mean Trip Generation and Percentage of Trip-makers by Car Ownership

Cars per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	66	4.26	8.70	68.5	1.41	2.06
1	14	5.65	12.86	75.2	1.78	2.37
All Sizes	80	4.50	9.43	69.8	1.49	2.13

Table Ap. B3 : Trip Generation by Purpose for Various levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
1 & 2	3	1.00	0	1.00	0	2.00
3	11	1.18	0.27	2.09	0.91	4.45
4	3	2.00	2.00	4.00	0	8.00
5	6	1.67	1.83	3.17	0.33	7.00
6	18	1.94	1.61	4.39	1.06	9.00
7	16	1.81	2.37	4.88	1.32	10.38
8	9	1.56	2.67	5.33	1.22	10.78
9	6	3.17	4.00	7.17	0.33	14.67
10 or more	8	3.38	3.12	6.88	1.62	15.00
All Sizes	80	1.95	2.00	4.50	0.98	9.43

Table Ap. B4: Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons / DU	No. of DU	From-home Trips/DU	Total Trips/DU
1 & 2	10	1.50	3.00
3	6	2.33	5.33
4	10	4.00	8.40
5	13	4.23	8.77
6	18	4.56	9.28
7	6	5.50	11.83
8	6	6.50	13.00
9	6	7.50	15.83
10 or more	5	7.33	16.60
All Sizes	80	4.50	9.43

Table Ap. B5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips/DU
0	0	0	0
1	21	1.08	7.57
2	24	1.73	9.08
3	16	2.20	9.70
4	16	2.80	10.90
5	3	4.00	16.00
Av. =2.46	$\Sigma = 80$	Av. =1.95	Av. =9.43

Table Ap. B6: Frequency of School Trips and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips /DU	Total Trips/DU
0	17	0	4.94
1	18	1.05	8.28
2	16	2.00	8.75
3	16	3.00	12.75
4	5	4.20	10.20
5	8	5.00	15.75
Av. =1.98	$\Sigma = 80$	Av. = 2.00	Av. = 9.43

Table Ap. B7: Trip Generation by Travel Mode and Trip Purpose

Mode Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Walking Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.16	8.3	0.04	1.9	1.69	86.6	0.06	3.2	1.95	100.0
School	0	0	0.06	3.1	1.30	65.0	0.64	31.9	2.00	100.0
Business	0.08	44.4	0	0	0.07	38.9	0.03	16.7	0.18	100.0
Serve-passenger	0.11	73.3	0	0	0.04	26.7	0	0	0.15	100.0
Shopping	0	0	0	0	0.03	8.6	0.32	91.4	0.35	100.0
Social, recreation	0.07	23.3	0	0	0.23	76.7	0	0	0.30	100.0
Home	0.24	5.3	0.06	1.3	3.19	70.9	1.01	22.5	4.50	100.0
Total	0.66	7.0	0.16	1.7	6.55	69.4	2.06	21.9	9.43	100.0

Table Ap. B8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	66	0	0	0.05	0.5	6.58	75.6	2.07	23.9	8.70	100.0
1	14	3.79	29.4	0.71	5.6	6.36	49.4	2.00	15.6	12.86	100.0
Tot.	80	0.66	7.0	0.16	1.7	6.55	69.4	2.06	21.9	9.43	100.0

## Work Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	66	0	0	0.02	0.8	1.77	95.1	0.07	4.1	1.86	100.0
1	14	0.93	39.4	0.14	6.1	1.29	54.5	0	0	2.36	100.0
Tot.	80	0.16	8.3	0.04	1.9	1.69	86.6	0.06	3.2	1.95	100.0

## School Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	66	0	0	0.03	1.4	1.39	66.2	0.68	32.4	2.10	100.0
1	14	0	0	0.21	14.3	0.86	57.1	0.43	28.6	1.50	100.0
Tot.	80	0	0	0.06	3.1	1.30	65.0	0.64	31.9	2.00	100.0

APPENDIX C

SUMMARY STATISTICS FOR PRACHANIVET 2

Table Ap. C1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
1&2	0	0	0	0	0	0
3	7	2.43	6.43	80.9	2.14	2.65
4	11	3.00	7.45	75.0	1.86	2.48
5	15	3.33	8.40	66.7	1.68	2.52
6	9	4.56	11.44	75.9	1.91	2.51
7	7	4.43	10.57	61.2	1.51	2.47
8	5	5.40	11.80	67.5	1.47	2.18
9	2	6.00	13.00	66.7	1.44	2.17
10 or more	4	8.75	20.75	70.2	1.77	2.52
All Sizes	60	4.10	9.97	69.8	1.72	2.46

Table Ap. C2: Mean Trip Generation and Percentage of Trip-makers by Car Ownership

Cars per DU	No. of DU	From-home Trips/DU	Total Trip/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	9	4.22	10.44	71.7	1.78	2.47
1	41	3.90	9.46	70.8	1.70	2.40
2 or more	10	4.80	11.60	65.3	1.61	2.47
All Sizes	60	4.10	9.97	69.8	1.72	2.46

Table Ap.C 3: Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No.of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
1 & 2	0	0	0	0	.0	0
3	7	1.57	0.43	2.43	2.00	6.43
4	11	1.45	0.91	3.00	2.09	7.45
5	15	2.20	1.27	3.33	1.60	8.40
6	9	2.22	2.44	4.56	2.72	11.44
7	7	1.86	2.43	4.43	1.85	10.57
8	5	3.00	2.40	5.40	1.00	11.80
9	2	4.00	1.50	6.00	0.30	13.00
10 or more	4	3.00	4.50	8.75	4.50	20.75
All Sizes	60	2.13	1.75	4.10	1.99	9.97

Table Ap.C 4: Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons/ DU	No.of DU	From-home Trips/DU	Total Trips/DU
1 & 2	0	0	0
3	13	2.31	5.77
4	13	3.00	7.46
5	10	4.00	11.00
6	11	4.91	11.73
7	5	4.60	10.40
8	3	6.33	13.00
9	2	7.50	16.50
10 or more	3	8.67	21.33
All Size	60	4.10	9.97



Table Ap. C5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Eainers/DU	No. of DU	Work Trips/DU	Total Trips/DU
0	4	0	4.75
1	11	1.55	8.55
2	28	1.96	10.04
3	13	2.92	11.31
4 or more	4	4.50	14.25
Av. = 2.07	$\Sigma = 60$	Av. = 2.13	Av. = 9.97

Table Ap. C6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips/DU	Total Trips/DU
0	12	0	5.50
1	15	0.93	8.40
2	16	1.88	10.44
3	10	2.80	11.70
4	3	4.00	14.67
5	3	4.67	19.33
6	0	0	0
7	1	7.00	20.00
Av. = 1.85	$\Sigma = 60$	Av. = 1.75	Av. = 9.97

Table Ap. C7: Trip Generation by Travel Mode and Trip Purpose

Mode \ Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.88	41.4	0.58	27.3	0.67	31.3	2.13	100.0
School	0.03	1.9	0.83	47.6	0.89	50.5	1.75	100.0
Serve passenger	1.33	88.9	0.10	6.7	0.07	4.4	1.50	100.0
Home	1.01	24.6	1.09	26.6	2.00	48.8	4.10	100.0
Others	0.07	14.3	0.20	40.8	0.22	44.9	0.49	100.0
Total	3.32	33.3	2.80	28.1	3.85	38.6	9.97	100.0

Table Ap. C8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	9	0	0	0.88	8.50	9.55	91.5	10.44	100.0
1	41	3.46	36.6	3.12	33.0	2.87	30.4	9.46	100.0
2 or more	10	5.70	49.1	3.20	27.6	2.70	23.3	11.60	100.0
Tot.	60	3.32	33.3	2.80	28.1	3.85	38.6	9.97	100.0

## Work Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	9	0	0	0.22	8.7	2.33	91.3	2.56	100.0
1	41	0.93	43.5	0.73	35.3	0.44	21.2	2.07	100.0
2 or more	10	1.60	80.0	0.30	15.0	0.10	5.0	2.00	100.0
Tot.	60	0.88	41.4	0.58	27.3	0.67	31.3	2.13	100.0

## School Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	9	0	0	0.11	5.0	2.11	95.0	2.22	100.0
1	41	0.02	1.6	0.95	64.0	0.52	34.4	1.49	100.0
2 or more	10	0.10	4.2	1.00	41.7	1.30	54.1	2.40	100.0
Tot.	60	0.03	1.9	0.83	47.6	0.89	50.5	1.75	100.0

APPENDIX D

SUMMARY STATISTICS FOR TUNGMAHAMEK

Table Ap.D1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
1&2	0	0	0	0	0	0
3	1	1.00	2.00	33.3	0.67	2.01
4	3	3.00	8.00	66.7	2.00	3.00
5	5	4.20	11.00	84.0	2.20	2.62
6	8	5.00	12.50	79.2	2.08	2.63
7	5	5.20	11.60	74.3	1.66	2.23
8 or more	2	6.50	18.00	72.2	1.71	2.37
All Sizes	24	4.58	11.46	76.0	1.95	2.57

Table Ap.D2: Mean Trip Generation and Percentage of Trip-makers by Car Ownership

Cars per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	1	4.00	8.00	57.1	1.1	2.00
1	15	4.53	11.20	78.5	2.00	2.55
2 or more	8	4.75	12.38	74.0	1.98	2.68
All Sizes	24	4.58	11.46	76.0	1.95	2.57

Table Ap. D3 : Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
1 & 2	0	0	0	0	0	0
3	1	1.00	0	1.00	0	2.00
4	3	1.00	1.33	3.00	2.67	8.00
5	5	2.20	2.20	4.20	2.40	11.00
6	8	1.75	3.00	5.00	2.75	12.50
7	5	2.00	2.20	5.20	2.20	11.60
8 or more	2	2.50	3.00	6.50	6.00	18.00
All Sizes	24	1.83	2.08	4.58	2.97	11.46

Table Ap. D4 : Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons / DU	No. of DU	From-home Trips/DU	Total Trips/DU
1 & 2	0	0	0
3	1	1.00	2.00
4	3	3.00	8.00
5	6	4.33	10.83
6	9	4.78	11.78
7	3	6.00	14.00
8 or more	2	6.50	18.00
All Sizes	24	4.58	11.46

Table Ap. D5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips/DU
0	1	0	8.00
1	13	0.92	11.00
2	4	1.75	10.25
3	4	3.25	12.25
4	1	4.00	18.00
5	1	8.00	16.00
Av. = 1.75	$\Sigma = 24$	Av. = 1.83	Av. = 11.46

Table Ap. D6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	Work Trips/DU	Total Trips/DU
0	1	0	2.00
1	6	1.00	10.00
2	8	1.75	12.75
3	6	3.00	12.17
4	3	4.00	12.67
Av. = 2.17	$\Sigma = 24$	Av. = 2.08	Av. = 11.46

Table Ap. D7: Trip Generation by Travel Mode and Trip Purpose

Mode Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Walking Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	1.08	59.0	0.33	18.0	0.42	23.0	0	0	1.83	100.0
School	0.08	3.8	1.08	52.0	0.71	34.1	0.21	10.0	2.08	100.0
Serve passenger	1.64	93.2	0.08	4.5	0.04	2.2	0	0	1.75	100.0
Shopping	0.04	8.7	0.04	8.7	0.04	8.7	0.34	73.9	0.46	100.0
Home	1.21	26.4	1.46	31.9	1.29	28.2	0.62	13.5	4.58	100.0
Others	0.12	16.0	0.47	62.7	0.08	10.7	0.08	10.6	0.75	100.0
Total	4.17	36.4	3.46	30.2	2.58	22.5	1.25	10.9	11.46	100.0

Table Ap. D8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh / DU	No. of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	1	0	0	0	0	8.00	100.0	0	0	8.00	100.0
1	15	3.60	32.1	3.07	27.4	2.87	25.6	1.66	14.9	11.20	100.0
2 or more	8	5.75	46.5	4.63	37.3	1.38	11.2	0.62	5.0	12.38	100.0
Tot.	24	4.17	36.4	3.46	30.2	2.58	22.5	1.25	10.9	11.46	100.0

## Work Trips

Veh / DU	No. of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	1	0	0	0	0	0	0	0	0	0	0
1	15	0.93	53.8	0.27	15.6	0.53	30.6	0	0	1.73	100.0
2 or more	8	1.50	66.7	0.50	22.2	0.25	11.1	0	0	2.25	100.0
Tot.	24	1.08	59.0	0.33	18.0	0.42	23.0	0	0	1.83	100.0

## School Trips

Veh / DU	No. of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	1	0	0	0	0	4.00	100.0	0	0	4.00	100.0
1	15	0.07	3.4	0.87	42.0	0.80	38.7	0.33	15.9	2.07	100.0
2 or more	8	0.13	6.9	1.63	86.7	0.12	6.4	0	0	1.88	100.0
Tot.	24	0.08	3.8	1.08	52.0	0.71	34.1	0.21	10.1	2.08	100.0



APPENDIX E

SUMMARY STATISTICS FOR KLONGCHAN (DETACHED HOUSES)

Table Ap.E1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
2	1	2.00	6.00	100.0	3.00	3.00
3	3	2.33	5.00	77.7	1.67	2.15
4	8	2.38	6.62	71.85	1.65	2.30
5	10	4.00	9.60	80.0	1.92	2.40
6	9	4.77	10.89	72.3	1.81	2.51
7	2	5.00	14.00	71.4	2.00	2.80
8 or more	3	7.00	17.67	74.8	1.89	2.53
All Sizes	36	3.94	9.50	75.1	1.81	2.41

Table Ap.E2: Mean Trip Generation and Percentage of Trip-makers by Car Ownership

Cars per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	7	3.71	7.71	78.8	1.64	2.08
1	21	3.76	9.43	72.5	1.82	2.51
2 or more	8	4.63	11.25	78.7	1.91	2.43
All Sizes	36	3.94	9.50	75.1	1.81	2.41

Table Ap. E3 : Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
2	1	2.00	0	2.00	2.00	6.00
3	3	2.00	0.33	2.33	0.34	5.00
4	8	1.50	1.50	2.38	1.24	6.62
5	10	2.30	1.70	4.00	1.60	9.60
6	9	2.11	2.33	4.77	1.68	10.89
7	2	3.50	1.50	5.00	4.00	14.00
8 or more	3	3.00	4.00	7.00	3.67	17.67
All Sizes	36	2.17	1.83	3.94	1.56	9.50

Table Ap. E4: Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons / DU	No. of DU	From-home Trips/DU	Total Trips/DU
2	1	2.00	6.00
3	4	2.25	4.75
4	11	2.55	7.18
5	11	4.18	9.91
6	5	6.00	12.20
7	2	6.50	15.00
8	2	7.00	19.00
All Sizes	36	3.94	9.50

Table Ap. E5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips/DU
1	6	1.00	10.83
2	20	1.90	7.40
3	7	3.00	10.86
4	2	4.00	19.50
5	1	5.00	14.00
Av. = 2.22	$\Sigma = 36$	Av. = 2.17	Av. = 9.50

Table Ap. E6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips/DU	Total Trips/DU
0	7	0	5.14
1	10	1.00	8.40
2	8	2.00	10.00
3	6	3.00	11.33
4	3	4.00	15.67
5	2	5.00	13.50
Av. = 1.83	$\Sigma = 36$	Av. = 1.83	Av. = 9.50

Table Ap. E7: Trip Generation by Travel Mode and Trip Purpose

Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Walking Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.97	44.9	0.42	19.2	0.78	35.9	0	0	2.17	100.0
School	0.03	1.5	0.67	36.4	1.11	60.6	0.02	1.5	1.83	100.0
Business	0.06	100.0	0	0	0	0	0	0	0.06	100.0
Serve passenger	1.25	100.0	0	0	0	0	0	0	1.25	100.0
Shopping	0	0	0	0	0.03	100.0	0	0	0.03	100.0
Social, recreation	0	0	0	0	0.11	50.0	0	0	0.11	100.0
Home	0.11	50.0	0	0	0.11	50.0	0.03	0.7	3.94	100.0
Home	0.97	24.7	0.91	23.2	2.03	51.4	0.03	0.7	9.50	100.0
Total	3.39	35.7	2.00	21.0	4.06	42.7	0.05	0.6		

Table Ap. E 8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	7	0	0	0.28	3.7	7.43	96.3	0	0	7.71	100.0
1	21	3.52	37.4	2.38	25.2	3.43	36.4	0.10	1.0	9.43	100.0
2 or more	8	6.00	53.3	2.50	22.2	2.75	24.5	0	0	11.25	100.0
Tot.	36	3.39	35.7	2.00	21.0	4.06	42.7	0.05	0.6	9.50	100.0

## Work Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	7	0	0	0.14	9.1	1.43	90.9	0	0	1.57	100.0
1	21	0.90	43.2	0.52	25.0	0.67	31.8	0	0	2.09	100.0
2 or more	8	2.12	73.9	0.25	8.7	0.50	17.4	0	0	2.87	100.0
Tot.	36	1.00	46.2	0.39	17.9	0.78	35.9	0	0	2.17	100.0

## School Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	7	0	0	0	0	1.86	92.9	0.14	7.1	2.00	100.0
1	21	0	0	0.81	47.2	0.90	52.8	0	0	1.71	100.0
2 or more	8	0.12	6.2	0.88	43.8	1.00	50.0	0	0	2.00	100.0
Tot.	36	0.03	1.5	0.66	36.4	1.11	60.6	0.03	1.5	1.83	100.0

APPENDIX F

SUMMARY STATISTICS FOR KLONGCHAN (DUPLEXES)

Table Ap.F1: Mean Trip Generation and Percentage of Trip-makers  
by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
2	2	1.00	2.50	50.0	1.25	2.50
3	4	2.25	4.50	75.0	1.50	2.00
4	4	3.50	7.25	87.4	1.81	2.07
5	9	4.00	9.00	80.0	1.80	2.25
6	4	5.25	10.75	87.3	1.79	2.05
7	4	5.00	11.00	71.4	1.57	2.20
8	2	5.00	11.50	66.9	1.44	2.09
10 or more	2	7.50	16.00	68.1	1.45	2.13
All Sizes	31	4.13	8.87	76.7	1.65	2.15

Table Ap.F2: Mean Trip Generation and Percentage of Trip-makers  
by Car Ownership

Cars per DU	No. of DU	From-home Trips DU	Total Trips DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	10	4.00	8.10	75.5	1.53	2.02
1	18	4.17	9.22	75.8	1.68	2.21
2	3	3.33	9.33	86.7	1.87	2.15
All Sizes	31	4.13	8.87	76.6	1.65	2.15

Table Ap. F3 : Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
2	2	1.00	0	1.00	0.50	2.50
3	4	1.00	1.25	2.25	0	4.50
4	4	2.25	1.25	3.50	0.25	7.25
5	9	1.89	2.11	4.00	1.00	9.00
6	4	2.00	3.25	5.25	0.50	10.75
7	4	3.00	3.00	5.00	0	11.00
8	2	2.00	3.50	5.50	0.50	11.50
10 or more	2	2.50	3.00	7.50	3.00	16.00
All Sizes	31	2.09	2.16	4.13	0.49	8.87

Table Ap. F4 : Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons/DU	No. of DU	From-home Trips/DU	Total Trips/DU
2	3	1.33	3.00
3	3	2.33	4.67
4	6	3.17	6.83
5	8	4.50	9.87
6	4	5.25	10.75
7	4	4.75	10.50
8 or more	3	7.33	15.67
All Sizes	31	4.13	8.87

Table Ap. F5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips, DU
0	3	0	6.00
1	5	1.00	5.60
2	15	2.13	9.13
3	5	3.00	9.80
4	2	4.00	13.50
5	1	5.00	16.00
Av. = 2.03	$\Sigma = 31$	Av. = 2.09	Av. = 8.87

Table Ap. F6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips/DU	Total Trips/DU
0	4	0	3.75
1	8	1.00	6.62
2	6	2.00	8.83
3	7	3.00	10.29
4	4	4.00	14.75
5	2	5.00	11.50
Av. = 2.16	$\Sigma = 31$	Av. = 2.16	Av. = 8.87



Table Ap. F7: Trip Generation by Travel Mode and Trip Purpose

Mode Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Walking Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.74	35.4	0.35	16.9	0.97	46.2	0.03	1.5	2.09	100.0
School	0	0	0.29	13.4	1.77	82.1	0.10	4.5	2.16	100.0
Home	0.68	16.4	0.45	10.9	2.87	69.5	0.13	3.2	4.13	100.0
Others	0.35	73.3	0.04	6.7	0.10	20.0	0	0	0.49	100.0
Total	1.77	20.0	1.13	12.7	5.71	64.4	0.26	2.9	8.87	100.0

## Total Ap. F 8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	10	0	0	0.20	2.5	7.30	90.1	0.60	7.4	8.10	100.0
1	18	2.39	25.9	1.50	16.3	5.22	56.6	0.11	1.2	9.22	100.0
2	3	4.00	42.9	2.00	21.4	3.33	35.7	0	0	9.33	100.0
Tot.	31	1.77	20.0	1.13	12.7	5.71	64.4	0.26	2.9	8.87	100.0

## Work Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	10	0	0	0	0	1.60	100.0	0	0	1.60	100.0
1	18	1.00	43.9	0.56	24.4	0.67	29.3	0.05	2.4	2.28	100.0
2	3	1.67	62.5	0.33	12.5	0.67	25.0	0	0	2.67	100.0
Tot.	31	0.74	35.4	0.35	16.9	0.97	46.2	0.03	1.5	2.09	100.0

## School Trips

Veh DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Walking		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	10	0	0	0	0	2.1	87.5	0.3	12.5	2.4	100.0
1	18	0	0	0.33	15.8	1.78	84.2	0	0	2.11	100.0
2	3	0	0	1.50	60.0	1.00	40.0	0	0	2.50	100.0
Tot.	31	0	0	0.29	1.34	1.77	82.1	0.10	4.5	2.16	100.0

APPENDIX G

SUMMARY STATISTICS FOR KLONGCHAN (ROW HOUSES)

Table Ap.G1: Mean Trip Generation and Percentage of Trip-makers by Household Size

Persons per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
3	2	2.50	5.00	83.3	1.66	2.00
4	3	3.00	6.00	75.0	1.50	2.00
5	3	4.33	9.33	80.0	1.87	2.33
6	4	5.25	11.00	87.5	1.83	2.09
7	2	5.50	13.00	78.6	1.86	2.36
8	3	7.00	14.67	87.5	1.83	2.09
9 or more	2	6.00	12.00	52.2	1.04	2.00
All Sizes	19	4.84	10.21	77.1	1.64	2.13

Table Ap.G2: Mean Trip Generation and Percentage of Trip-makers by Car Ownership

Cars per DU	No. of DU	From-home Trips/DU	Total Trips/DU	% Trip-makers to Resident	Trips per Person	Trips per Trip-maker
0	14	4.86	10.21	73.9	1.55	2.10
1	4	4.50	9.75	85.7	1.86	2.17
2	1	6.00	12.00	100.0	2.40	2.40
All Size	19	4.84	10.21	77.1	1.64	2.13

Table Ap. G 3 : Trip Generation by Purpose for Various Levels of Household Size

Persons per DU	No. of DU	Work Trips/DU	School Trips/DU	Home Trips/DU	Other Trips/DU	Total Trips/DU
3	2	1.50	0.50	2.50	0.50	5.00
4	3	0.67	2.00	3.00	0.33	6.00
5	3	1.33	3.50	4.33	0.17	9.33
6	4	2.25	3.00	5.25	0.50	11.00
7	2	2.00	4.00	5.50	1.50	13.00
8	3	2.67	4.33	7.00	0.67	14.67
9 or more	2	3.50	2.50	6.00	0	12.00
All Sizes	19	1.95	2.74	4.84	0.68	10.21

Table Ap. G4 : Effect of Household Size Excluding Children Who Are Not Yet Going to School on From-home Trip and Total Trip Frequency

Persons/DU	No. of DU	From-home Trips/DU	Total Trips/DU
3	2	2.50	5.00
4	3	3.00	6.00
5	3	4.33	9.33
6	5	5.33	11.00
7	3	5.33	12.33
8	2	7.50	15.00
12	1	8.00	16.00
All Sizes	19	4.84	10.21

Table Ap. G5: Frequency of Work Trip and Total Trip by Number of Wage Earners per DU

Wage Earners/DU	No. of DU	Work Trips/DU	Total Trips/DU
1	6	0.83	7.50
2	7	2.00	10.57
3	5	2.60	11.80
5	1	5.00	16.00
Av. = 2.11	$\Sigma = 19$	Av. = 1.95	Av. = 10.21

Table Ap. G6: Frequency of School Trip and Total Trip by Number of Students per DU

Students/DU	No. of DU	School Trips/DU	Total Trips/DU
0	1	0	4.00
1	1	1.00	6.00
2	7	2.00	7.14
3	5	3.00	13.2
4	3	4.00	12.67
5	2	5.00	15.00
Av. = 2.74	$\Sigma = 19$	Av. = 2.74	Av. = 10.21

Table Ap. G7: Trip Generation and Travel Mode by Trip Purpose

Mode Purpose	Auto-Driver Trips		Auto-Passenger Trips		Transit Trips		Total Person Trips	
	T/DU	%	T/DU	%	T/DU	%	T/DU	%
Work	0.21	10.8	0.16	8.2	1.58	81.0	1.95	100.0
School	0.05	1.8	0.21	7.7	2.48	90.5	2.74	100.0
Home	0.26	5.4	0.37	7.6	4.21	87.0	4.84	100.0
Others	0.16	23.5	0	0	0.52	76.5	0.68	100.0
Total	0.68	6.7	0.74	7.2	8.79	86.1	10.21	100.0

Table Ap. G8 : Trip Generation and Travel Mode Classified by Car Ownership

## Total Person Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	14	0	0	0.14	1.4	10.07	98.6	10.21	100.0
1	4	1.75	17.9	1.50	15.4	6.50	66.7	9.75	100.0
2	1	6.00	50.0	6.00	50.0	0	0	12.00	100.0
Tot.	19	0.68	6.7	0.74	7.2	8.79	86.1	10.21	100.0

## Work Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	14	0	0	0.07	3.8	1.79	96.2	1.86	100.0
x1	4	0.75	30.0	0.50	20.0	1.25	50.0	2.50	100.0
2	1	1.00	100.0	0	0	0	0	1.00	100.0
Tot.	19	0.21	10.8	0.16	8.2	1.58	81.0	1.95	100.0

## School Trips

Veh / DU	No.of DU	Auto-Driver		Auto-Passenger		Transit		Total	
		T/DU	%	T/DU	%	T/DU	%	T/DU	%
0	14	0	0	0	0	2.86	100.0	2.86	100.0
1	4	0.25	11.1	0.25	11.1	1.75	77.8	2.25	100.0
2	1	0	0	3.00	100.0	0	0	3.00	100.0
Tot.	19	0.05	1.8	0.21	7.7	2.48	90.5	2.74	100.0

VITA

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