

Appendix I-8-1 Traffic Matrix for 2000

(2/15)

Abbr	TOG	YBI	SLA	LCU	HGG	HHY	TBI	HDG	HYN	HPG	QNH	HNM	NDH	NBH	TIA	NAN	HHI	OBN	QII
HNH1	3.9	2.8	4.3	2.4	1.5	37.2	8.3	24.6	14.4	30.5	10.1	0.8	4.5	1.4	8.5	18.0	1.7	2.0	0.9
HNH2	3.9	2.7	4.2	2.3	1.5	39.4	8.3	25.2	15.0	30.4	9.8	0.7	4.4	1.4	8.2	17.5	1.7	1.9	0.9
HNH3	4.0	2.8	4.4	2.5	1.6	36.2	8.3	24.3	14.1	30.5	10.3	0.8	4.6	1.4	8.6	18.2	1.8	2.0	1.0
HNH4	4.0	2.8	4.4	2.5	1.6	35.0	8.3	23.9	13.8	30.5	10.4	0.8	4.7	1.5	8.8	18.5	1.8	2.1	1.0
HNH5	3.9	2.7	4.2	2.4	1.5	38.5	8.3	25.0	14.8	30.5	10.0	0.7	4.4	1.4	8.3	17.7	1.7	1.9	0.9
HNH6	4.0	2.9	4.5	2.6	1.6	33.6	8.2	23.4	13.4	30.4	10.6	0.8	4.8	1.5	9.0	18.9	1.8	2.1	1.0
HNH7	4.0	2.8	4.5	2.5	1.6	34.2	8.3	23.6	13.5	30.5	10.5	0.8	4.8	1.5	8.9	18.7	1.8	2.1	1.0
HNH8	3.9	2.8	4.3	2.4	1.6	37.0	8.3	24.6	14.4	30.5	10.1	0.8	4.5	1.4	8.5	18.0	1.7	2.0	0.9
HNH9	4.0	2.8	4.4	2.5	1.6	35.7	8.3	24.1	14.0	30.5	10.3	0.8	4.6	1.4	8.7	18.4	1.8	2.1	1.0
HBIH	1.3	0.9	2.7	1.3	0.6	24.2	2.3	5.6	3.0	8.6	3.6	1.4	6.2	1.5	6.2	5.0	0.7	0.8	0.4
LCL	1.1	2.7	4.0	6.8	0.6	4.0	1.7	3.6	1.8	6.6	3.9	0.4	2.3	0.7	4.0	7.2	0.8	1.3	0.6
LSN	1.6	1.2	2.2	1.4	0.8	7.1	2.7	3.7	3.1	10.4	14.7	0.5	2.8	0.9	5.0	9.5	1.0	1.4	0.6
BNH	1.0	0.7	1.2	0.7	0.4	6.9	1.9	5.2	2.8	7.2	2.7	0.2	1.3	0.4	2.4	4.9	0.5	0.6	0.3
BGG	1.4	1.0	1.7	1.0	0.6	8.1	2.6	6.5	3.4	9.7	5.6	0.3	2.0	0.6	3.6	7.3	0.7	0.9	0.4
CBG	0.6	0.4	0.8	0.5	0.3	2.2	0.9	2.0	1.0	3.4	1.9	0.2	1.0	0.3	1.8	3.4	0.4	0.5	0.2
TNN	2.2	1.6	2.7	1.6	1.7	12.4	4.0	10.0	5.3	15.2	6.5	0.5	3.2	1.0	5.8	11.6	1.1	1.5	0.7
BCN	0.4	0.2	0.4	0.3	0.5	1.6	0.6	1.3	0.7	2.2	1.1	0.1	0.6	0.2	1.0	1.9	0.2	0.3	0.1
FTO	9.3	5.9	3.2	2.6	2.2	13.1	4.4	10.8	5.6	16.9	7.5	0.6	3.8	1.2	6.8	13.5	1.3	1.8	0.8
VPC	3.6	2.4	1.9	1.3	1.0	9.4	2.9	7.5	4.0	11.1	4.5	0.4	2.2	0.7	4.0	8.2	0.8	1.0	0.5
TQG	379.7	0.7	1.4	0.9	1.7	4.4	1.7	3.8	1.9	6.5	3.3	0.3	1.8	0.5	3.1	5.9	0.6	0.9	0.4
YBI	0.7	278.5	1.1	1.3	0.4	3.2	1.2	2.7	1.4	4.7	2.4	0.2	1.3	0.4	2.3	4.4	0.4	0.6	0.3
SLA	1.4	1.1	495.2	6.6	0.7	7.1	2.1	4.6	2.3	8.2	4.6	0.5	2.7	0.8	4.7	8.5	0.9	1.4	0.6
LCU	0.9	1.3	6.6	345.8	0.5	3.7	1.3	2.8	1.4	5.0	3.1	0.3	1.9	0.6	3.3	5.7	0.6	1.0	0.5
HGG	1.7	0.4	0.7	0.5	183.7	1.9	0.8	1.7	0.8	3.0	1.7	0.2	1.0	0.3	1.8	3.2	0.3	0.5	0.2
HHY	4.5	3.2	7.1	3.7	1.9	2106.7	8.6	22.7	12.4	32.1	12.3	5.6	23.4	5.5	21.4	19.7	1.9	2.6	1.2
TBI	1.7	1.2	2.1	1.3	0.8	8.5	717.0	10.9	11.3	38.3	4.9	0.4	2.5	0.8	4.5	8.9	0.9	1.2	0.5
HDG	3.8	2.7	4.6	2.7	1.7	22.6	10.9	1745.3	9.5	102.5	17.3	0.9	5.3	1.6	9.7	19.6	1.9	2.4	1.1
HYN	1.9	1.4	2.3	1.3	0.8	12.3	11.4	9.5	861.8	20.3	5.4	0.4	2.6	0.8	4.7	9.7	0.9	1.2	0.5
HPG	6.4	4.7	8.2	5.0	3.0	31.9	38.4	102.6	20.3	2540.7	19.4	1.7	9.9	3.0	17.9	35.2	3.5	4.7	2.2
QNH	3.3	2.4	4.6	3.1	1.7	12.3	5.0	12.4	5.4	19.5	1145.7	1.1	6.5	2.0	11.3	20.5	2.1	3.4	1.6
HNM	0.3	0.2	0.5	0.3	0.2	5.8	0.4	0.9	0.4	1.7	1.1	258.9	2.2	3.4	9.5	6.7	0.6	0.7	0.3
NDH	1.8	1.3	2.7	2.0	1.0	24.1	2.6	5.5	2.7	10.3	6.7	22.1	1284.3	39.5	73.5	43.6	4.0	4.0	1.9
NBH	0.6	0.4	0.8	0.6	0.3	5.7	0.8	1.7	0.8	3.2	2.0	3.4	40.0	500.1	33.4	15.0	1.3	1.2	0.6
TIA	3.2	2.4	4.8	3.3	1.8	21.9	4.7	10.0	4.9	18.4	11.6	9.4	73.0	32.8	1899.2	112.3	9.0	6.8	3.2
NAN	6.1	4.5	8.7	5.8	3.2	20.0	9.2	20.1	10.0	36.0	20.9	6.6	43.1	14.7	111.8	2749.4	42.1	11.6	5.8
HHI	0.6	0.5	0.9	0.6	0.3	1.9	0.9	2.0	1.0	3.6	2.2	0.6	4.0	1.3	9.0	42.3	418.6	7.7	1.6
OBN	0.9	0.7	1.4	1.1	0.5	2.7	1.2	2.5	1.2	4.9	3.5	0.7	4.0	1.2	6.8	11.7	7.6	717.2	11.3
QII	0.4	0.3	0.7	0.5	0.3	1.3	0.6	1.2	0.6	2.3	1.6	0.3	1.9	0.6	3.3	5.8	1.6	11.4	406.8
THI	1.2	0.9	2.0	1.5	0.8	3.8	1.7	3.6	1.7	6.9	4.8	1.0	5.8	1.8	10.2	18.5	3.6	20.5	23.2
DNG	1.5	1.1	2.4	1.7	0.9	4.7	2.1	4.4	2.1	8.3	5.7	1.2	7.2	2.2	12.8	24.2	3.2	15.5	11.4
QNM	0.5	0.4	0.8	0.6	0.3	1.4	0.6	1.3	0.6	2.6	1.9	0.4	2.0	0.6	3.4	5.6	0.6	2.6	1.3
QNI	0.6	0.5	1.0	0.8	0.4	1.9	0.9	1.7	0.8	3.4	2.5	0.5	2.7	0.8	4.5	7.5	0.8	3.6	1.8
BDH	1.3	1.0	2.1	1.6	0.8	3.8	1.8	3.6	1.7	7.0	5.0	1.0	5.7	1.7	9.6	16.5	1.8	8.3	4.3
GLI	0.5	0.4	0.8	0.6	0.3	1.5	0.7	1.4	0.7	2.8	2.0	0.4	2.2	0.7	3.7	6.2	0.7	3.0	1.5
KFM	0.2	0.1	0.3	0.2	0.1	0.5	0.2	0.5	0.2	0.9	0.7	0.1	0.7	0.2	1.2	2.0	0.2	1.0	0.5
DLC	1.1	0.8	1.8	1.4	0.7	3.1	1.4	2.9	1.4	5.8	4.3	0.8	4.5	1.3	7.4	11.9	1.3	5.4	2.5
PYN	0.3	0.2	0.5	0.4	0.2	1.0	0.4	0.9	0.4	1.8	1.3	0.2	1.4	0.4	2.3	3.8	0.4	1.7	0.8
KIA	1.1	0.8	1.8	1.4	0.7	3.3	1.5	3.1	1.5	6.0	4.4	0.8	4.7	1.4	7.9	13.2	1.4	6.3	3.1
LDG	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.6	2.7	0.5	2.8	0.8	4.7	7.6	0.8	3.5	1.7
NFN	0.3	0.2	0.5	0.3	0.2	0.8	0.4	0.8	0.4	1.5	1.1	0.2	1.2	0.4	2.0	3.2	0.4	1.5	0.7
HCM1	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.6	2.7	0.4	2.2	0.7	3.6	5.8	0.6	2.6	1.2
HCM2	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.6	2.7	0.4	2.2	0.7	3.7	5.9	0.6	2.6	1.2
HCM3	0.7	0.5	1.1	0.9	0.4	2.0	0.9	1.9	0.9	3.7	2.7	0.4	2.3	0.7	3.8	6.0	0.7	2.7	1.2
HCM4	0.6	0.5	1.0	0.8	0.4	1.9	0.9	1.8	0.9	3.5	2.6	0.4	2.2	0.6	3.5	5.7	0.6	2.5	1.2
HCM5	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.7	2.7	0.4	2.3	0.7	3.7	6.0	0.7	2.7	1.2
HCM6	0.6	0.5	1.1	0.8	0.4	1.9	0.9	1.8	0.9	3.5	2.6	0.4	2.2	0.6	3.5	5.7	0.6	2.5	1.2
HCM7	0.7	0.5	1.1	0.9	0.4	2.1	1.0	1.9	0.9	3.8	2.8	0.4	2.3	0.7	3.8	6.1	0.7	2.7	1.3
HCM8	0.7	0.5	1.2	0.9	0.4	2.1	1.0	2.0	1.0	3.9	2.8	0.4	2.4	0.7	3.9	6.3	0.7	2.8	1.3
HCM9	0.7	0.5	1.2	0.9	0.5	2.1	1.0	2.0	1.0	3.9	2.9	0.4	2.4	0.7	4.0	6.4	0.7	2.8	1.3
HCM10	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.6	2.6	0.4	2.2	0.7	3.6	5.8	0.6	2.6	1.2
HCM11	0.7	0.5	1.1	0.9	0.4	2.1	0.9	1.9	0.9	3.8	2.8	0.4	2.3	0.7	3.8	6.1	0.7	2.7	1.3
HCM12	0.7	0.5	1.2	0.9	0.4	2.1	1.0	2.0	0.9	3.8	2.8	0.4	2.4	0.7	3.9	6.2	0.7	2.8	1.3
HCM13	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.7	2.7	0.4	2.3	0.7	3.7	6.0	0.7	2.7	1.2
HCM14	0.7	0.5	1.1	0.8	0.4	2.0	0.9	1.9	0.9	3.7	2.7	0.4	2.3	0.7	3.7	5.9	0.7	2.6	1.2
BTN	0.5	0.4	0.8	0.6	0.3	1.5	0.7	1.4	0.7	2.8	2.0	0.3	1.7	0.5	2.8	4.4	0.5	1.9	0.9
DNI	0.3	0.3	0.6	0.4	0.2	1.0	0.5	0.9	0.5	1.8	1.3	0.2	1.1	0.3	1.8	3.0	0.3	1.3	0.6
BDG	0.2	0.1	0.3	0.2	0.1	0.5	0.2	0.5	0.2	0.9	0.7	0.1	0.6	0.2	0.9	1.5	0.2	0.7	0.3
BPC	0.2	0.2	0.4	0.3	0.2	0.7	0.3	0.7	0.3	1.3	1.0	0.1	0.8	0.2	1.3	2.1	0.2	0.9	0.4
TNI	0.3	0.2	0.5	0.4	0.2	0.9	0.4	0.8	0.4	1.6	1.2	0.2	1.0	0.3	1.6	2.5	0.3	1.1	0.5
VFU	0.4	0.3	0.7	0.5	0.3	1.2	0.6	1.1	0.5	2.2	1.7	0.2	1.4	0.4	2.3	3.6	0.4	1.6	0.7
LAN	0.3	0.2	0.5	0.4	0.2	0.8	0.4	0.8	0.4	1.5	1.1	0.2	1.0	0.3	1.6	2.5	0.3	1.1	0.5
TGG	0.3	0.2	0.5	0.4	0.2	1.0	0.4	0.9	0.4	1.8	1.3	0.2	1.1	0.3	1.8	2.9	0.3	1.3	0.6
BTE	0.3	0.2	0.5	0.4	0.2	0.9	0.4	0.8	0.4	1.6	1.2	0.2	1.0						

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ABR	TTH	DNG	QNM	QNI	BDH	GLI	KIM	DLC	PYN	KIA	DG	NTN	HCM1	HCM2	HCM3	HCM4	HCM5	HCM6	HCM7
IN1	29	35	10	14	29	11	0.4	23	0.7	25	15	0.6	16	16	16	15	16	15	16
IN2	28	34	10	13	28	11	0.4	22	0.7	24	14	0.6	15	15	15	14	15	15	16
IN3	29	36	11	14	29	12	0.4	24	0.7	25	15	0.6	16	16	16	15	16	15	17
IN4	30	37	11	14	30	12	0.4	24	0.7	26	15	0.6	16	16	17	16	17	16	17
IN5	28	34	10	13	28	11	0.4	23	0.7	24	14	0.6	15	15	16	15	16	15	16
IN6	31	38	11	15	31	12	0.4	25	0.8	26	16	0.7	17	17	17	16	17	16	18
IN7	30	37	11	15	31	12	0.4	25	0.8	26	16	0.7	17	17	17	16	17	16	17
IN8	29	35	10	14	29	11	0.4	23	0.7	25	15	0.6	16	16	16	15	16	15	16
IN9	30	36	11	14	30	12	0.4	24	0.7	25	15	0.6	16	16	16	16	16	16	17
HBH	12	14	0.4	0.6	12	0.5	0.2	10	0.3	10	0.6	0.3	0.7	0.7	0.7	0.6	0.7	0.6	0.7
LCI	17	20	0.7	0.9	18	0.7	0.2	16	0.5	16	10	0.4	1.0	1.0	1.1	1.0	1.1	1.0	1.1
LSN	19	23	0.7	1.0	20	0.8	0.3	17	0.5	17	11	0.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2
BNH	0.8	1.0	0.3	0.4	0.8	0.3	0.1	0.7	0.2	0.7	0.4	0.2	0.5	0.5	0.5	0.4	0.5	0.4	0.5
BGG	13	16	0.5	0.6	13	0.5	0.2	11	0.3	11	0.7	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.8
CBG	0.7	0.9	0.3	0.4	0.8	0.3	0.1	0.7	0.2	0.7	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5
TNN	21	25	0.8	1.0	21	0.8	0.3	18	0.5	18	11	0.5	12	12	12	11	12	11	12
BCN	0.4	0.5	0.1	0.2	0.4	0.2	0.1	0.3	0.1	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
PTO	25	30	0.9	1.2	26	1.0	0.3	21	0.6	22	13	0.6	1.4	1.4	1.4	1.4	1.4	1.4	1.5
VPC	1.4	1.8	0.5	0.7	1.5	0.6	0.2	1.2	0.4	1.3	0.8	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TQG	1.2	1.5	0.5	0.6	1.3	0.5	0.2	1.1	0.3	1.1	0.7	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
YBI	0.9	1.1	0.3	0.5	0.9	0.4	0.1	0.8	0.2	0.8	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SLA	1.9	2.3	0.8	1.0	2.0	0.8	0.3	1.7	0.5	1.8	1.1	0.5	1.1	1.1	1.2	1.1	1.2	1.1	1.2
LCU	1.4	1.7	0.6	0.8	1.5	0.6	0.2	1.3	0.4	1.4	0.8	0.3	0.9	0.9	0.9	0.8	0.9	0.8	0.9
HGG	0.7	0.9	0.3	0.4	0.8	0.3	0.1	0.7	0.2	0.7	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5
HTY	3.7	4.6	1.4	1.8	3.8	1.5	0.5	3.1	0.9	3.2	2.0	0.8	2.1	2.1	2.1	2.0	2.1	2.0	2.2
TBH	1.7	2.0	0.6	0.8	1.7	0.7	0.2	1.4	0.4	1.5	0.9	0.4	0.9	0.9	1.0	0.9	1.0	0.9	1.0
HDG	3.5	4.2	1.3	1.7	3.5	1.4	0.5	2.9	0.9	3.0	1.8	0.8	1.9	1.9	2.0	1.9	2.0	1.9	2.0
HYN	1.7	2.0	0.6	0.8	1.7	0.7	0.2	1.4	0.4	1.5	0.9	0.4	0.9	0.9	1.0	0.9	0.9	0.9	1.0
HPG	6.7	8.1	2.5	3.3	6.9	2.7	0.9	5.7	1.7	5.9	3.6	1.5	3.8	3.8	3.9	3.6	3.8	3.7	3.9
QNI	4.7	5.6	1.9	2.4	5.0	2.0	0.7	4.3	1.3	4.4	2.7	1.1	2.8	2.8	2.9	2.7	2.8	2.7	2.9
HNH	1.0	1.2	0.4	0.5	1.0	0.4	0.1	0.8	0.2	0.8	0.5	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
NDH	5.9	7.2	2.1	2.7	5.8	2.2	0.7	4.6	1.4	4.9	2.9	1.2	2.4	2.4	2.5	2.3	2.5	2.3	2.5
NBH	1.8	2.2	0.6	0.8	1.8	0.7	0.2	1.4	0.4	1.5	0.9	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.8
THA	10.2	12.8	3.4	4.5	9.7	3.7	1.2	7.5	2.3	8.1	4.7	2.0	3.9	3.9	4.0	3.8	4.0	3.8	4.1
NAN	18.4	24.0	5.6	7.5	16.6	6.2	2.0	12.0	3.8	13.3	7.7	3.3	6.2	6.2	6.4	6.0	6.4	6.1	6.5
HFH	3.6	3.2	0.6	0.8	1.8	0.7	0.2	1.3	0.4	1.5	0.8	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
QBN	20.4	15.4	2.6	3.6	8.4	3.0	1.0	5.4	1.8	6.4	3.6	1.5	2.8	2.8	2.9	2.7	2.9	2.7	2.9
QTI	23.3	11.4	1.3	1.8	4.4	1.5	0.5	2.6	0.9	3.1	1.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.4
TTH	1127.4	58.6	4.0	5.6	14.6	4.8	1.5	7.8	2.6	9.9	5.2	2.3	3.9	3.9	4.0	3.8	4.0	3.8	4.1
DNG	58.8	1447.5	379	255	205	102	4.4	9.6	3.3	12.7	6.5	2.9	4.8	4.8	4.9	4.6	4.9	4.6	5.0
QNM	4.0	37.8	656.7	28.0	13.5	3.7	1.7	5.4	1.9	7.6	3.7	1.7	2.6	2.6	2.7	2.6	2.7	2.6	2.8
QNI	5.6	25.3	279	299.4	23.2	5.6	1.7	7.5	2.7	11.2	5.2	2.4	3.6	3.6	3.7	3.5	3.7	3.5	3.8
BDH	14.5	20.2	13.4	23.1	1625.4	22.0	5.6	27.9	27.2	38.5	13.8	7.1	8.5	8.5	8.7	8.2	8.7	8.3	8.8
GLI	4.7	10.1	3.7	5.6	22.0	683.3	9.5	24.4	4.4	9.7	8.6	2.6	3.0	3.0	3.1	2.9	3.1	2.9	3.1
KIM	1.5	4.4	1.7	1.7	5.6	9.5	216.9	2.0	0.7	2.9	1.4	0.6	1.0	1.0	1.0	0.9	1.0	1.0	1.0
DLC	7.7	9.4	5.3	7.4	27.2	24.2	2.0	1486.4	7.1	31.1	56.0	12.3	8.6	8.6	8.8	8.3	8.7	8.4	8.9
PYN	2.6	3.3	1.9	2.7	27.1	4.4	0.7	7.1	554.2	21.7	5.7	3.2	3.2	3.2	3.2	3.1	3.2	3.1	3.3
RHA	9.7	12.5	7.4	11.0	38.2	9.6	2.9	31.0	21.6	1782.6	29.3	22.7	12.8	12.8	13.1	12.5	13.0	12.5	13.3
LDG	5.1	6.3	3.6	5.1	13.7	8.6	1.4	55.9	5.7	29.3	1098.0	16.1	6.0	6.0	6.1	5.8	6.1	5.8	6.2
NTN	2.3	2.9	1.7	2.4	7.0	2.5	0.6	12.2	3.2	22.6	16.1	515.5	2.8	2.8	2.8	2.7	2.8	2.7	2.9
HCM1	3.7	4.4	2.5	3.4	8.0	2.8	0.9	8.1	3.0	12.2	5.7	2.7	1625.7	9.5	36.4	14.4	7.2	12.3	22.0
HCM2	3.7	4.4	2.5	3.4	8.0	2.8	0.9	8.1	3.0	12.2	5.7	2.7	9.4	1625.7	6.4	31.9	35.4	10.1	5.8
HCM3	3.8	4.5	2.5	3.5	8.2	2.9	0.9	8.3	3.1	12.5	5.8	2.7	36.4	6.4	1625.7	9.0	5.1	7.8	44.0
HCM4	3.6	4.3	2.4	3.3	7.8	2.7	0.9	7.9	2.9	11.9	5.5	2.6	14.2	31.9	8.9	1625.7	16.7	16.9	7.8
HCM5	3.8	4.5	2.5	3.5	8.2	2.9	0.9	8.3	3.1	12.4	5.8	2.7	7.2	35.4	5.0	16.7	1625.7	7.4	4.7
HCM6	3.6	4.3	2.4	3.3	7.8	2.8	0.9	7.9	2.9	11.9	5.6	2.6	12.2	10.1	7.7	17.0	7.4	1625.7	6.9
HCM7	3.9	4.6	2.6	3.6	8.4	3.0	1.0	8.5	3.1	12.7	5.9	2.8	22.1	5.9	44.2	8.0	4.7	7.0	1625.7
HCM8	3.9	4.7	2.6	3.6	8.5	3.0	1.0	8.6	3.1	12.8	6.0	2.8	5.9	20.2	4.3	13.1	39.0	5.8	4.1
HCM9	4.0	4.8	2.7	3.7	8.6	3.1	1.0	8.7	3.2	13.0	6.1	2.8	13.7	5.2	17.2	6.7	4.3	9.2	28.0
HCM10	3.7	4.4	2.5	3.4	8.0	2.8	0.9	8.1	3.0	12.2	5.7	2.6	9.3	7.8	6.2	11.8	5.9	40.7	6.8
HCM11	3.8	4.6	2.6	3.5	8.3	3.0	1.0	8.5	3.1	12.6	5.9	2.8	7.5	14.0	5.4	8.6	19.3	7.5	5.1
HCM12	3.9	4.7	2.6	3.6	8.5	3.0	1.0	8.6	3.1	12.8	6.0	2.8	10.1	5.8	11.4	7.7	4.7	11.7	15.9
HCM13	3.8	4.5	2.5	3.5	8.2	2.9	0.9	8.3	3.1	12.4	5.8	2.7	8.5	7.1	7.7	10.1	5.6	20.4	9.7
HCM14	3.7	4.5	2.5	3.4	8.1	2.9	0.9	8.2	3.0	12.3	5.8	2.7	11.3	9.4	7.7	13.7	13.8	11.8	7.1
BNH	2.7	3.2	1.7	2.4	5.2	1.9	0.6	5.5	1.9	7.1	11.9	7.5	13.1	13.1	13.2	12.8	13.2	12.9	13.3
DNH	1.8	2.2	1.2	1.7	4.0	1.4	0.5	4.1	1.5	6.0	4.1	2.1	46.9	46.4	43.5	50.7	43.7	50.0	41.4
BDG	0.9	1.1	0.6	0.8	2.0	0.7	0.2	2.0	0.7	3.0	1.4	0.6	24.0	23.7	22.1	26.0	22.2	25.6	21.0
BPC	1.3	1.5	0.8	1.1	2.5	0.9	0.3	2.6	0.9	3.3	1.7	0.8	5.9	5.9	6.0	5.8	6.0	5.8	6.1
TNH	1.6	1.9	1.0	1.4	3.2	1.2	0.4	3.3	1.2	4.5	2.2	1.0	11.8	11.7	11.7	11.7	11.7	11.7	11.8
VTU	2.2	2.7	1.5	2.0	4.4	1.6	0.5	4.7	1.7	6.6	3.3	1.4	16.7	16.6	16.6	16.6	16.6	16.6	16.7
LAN	1.5	1.9	1.0	1.4	3.3	1.2	0.4	3.3	1.2	4.7	2.3	1.1	19.8	19.7	19.3	20.1	19.3	20.1	19.1
TGG	1.8	2.1	1.2	1.6	3.6	1.3	0.4	3.7	1.3	5.2	2.6	1.2	15.9	15.8	15.8	15.9	15.8	15.9	15.7
BTE	1.6	1.9	1.1	1.5	3.3	1.2	0.4	3.4	1.2	4.7	2.3	1.1	14.2	14.2	14.1	14.2	14.1	14.2	14.1
TVH	1.0	1.2	0.6	0.9	1.9	0.7	0.2	2.0	0.7	2.7									

Appendix I-8-1 Traffic Matrix for 2000

Abbr	DTP	AGG	KGG	CMU	BLU	SIG	GW-HNI	GW-DNG	GW-HCN	LE Total	GW Total	Total
HNI1	0.8	2.0	2.0	0.9	0.7	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI2	0.8	1.9	2.0	0.8	0.7	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI3	0.8	2.0	2.1	0.9	0.8	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI4	0.9	2.1	2.1	0.9	0.8	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI5	0.8	1.9	2.0	0.8	0.7	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI6	0.9	2.1	2.2	0.9	0.8	0.8	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI7	0.9	2.1	2.2	0.9	0.8	0.8	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI8	0.8	2.0	2.1	0.9	0.7	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HNI9	0.8	2.0	2.1	0.9	0.8	0.7	11.1	7.4	18.4	1920.5	36.8	1957.3
HBI1	0.3	0.8	0.9	0.4	0.3	0.3	5.9	3.9	9.8	744.5	19.6	764.0
LCI	0.6	1.4	1.4	0.6	0.5	0.5	4.4	2.9	7.3	559.4	14.6	573.9
LSN	0.6	1.4	1.5	0.6	0.5	0.5	6.1	4.1	10.2	793.1	20.4	813.5
BNH	0.2	0.6	0.6	0.3	0.2	0.2	5.2	3.4	8.6	637.9	17.2	655.1
BGG	0.4	0.9	1.0	0.4	0.3	0.3	6.5	4.3	10.8	769.0	21.6	790.6
CBG	0.2	0.6	0.6	0.2	0.2	0.2	2.3	1.5	3.8	268.7	7.7	276.3
TNN	0.6	1.5	1.6	0.6	0.6	0.5	8.6	5.7	14.3	1134.3	28.5	1162.8
BCN	0.1	0.3	0.3	0.1	0.1	0.1	1.4	1.0	2.4	170.0	4.8	174.9
PTO	0.8	1.8	1.9	0.8	0.7	0.7	10.3	6.9	17.2	1341.4	34.4	1375.8
VPC	0.4	1.0	1.1	0.4	0.4	0.4	7.4	4.9	12.3	932.5	24.7	957.2
TQG	0.4	0.9	0.9	0.4	0.3	0.3	4.1	2.8	6.9	504.0	13.8	517.8
YBI	0.3	0.7	0.7	0.3	0.3	0.2	3.1	2.1	5.2	369.7	10.3	380.0
SLA	0.6	1.5	1.6	0.6	0.6	0.5	5.4	3.6	8.9	657.3	17.9	675.1
LCU	0.5	1.1	1.2	0.5	0.4	0.4	3.7	2.5	6.2	458.9	12.3	471.2
HGG	0.2	0.6	0.6	0.2	0.2	0.2	2.1	1.4	3.5	244.0	7.0	251.0
HTY	1.1	2.6	2.7	1.1	1.0	1.0	21.3	14.2	35.5	2794.3	70.9	2865.3
TBI	0.5	1.2	1.2	0.5	0.5	0.4	8.0	5.4	13.4	951.9	26.8	978.7
HIG	1.0	2.5	2.6	1.1	0.9	0.9	17.2	11.5	28.6	2315.9	57.3	2373.2
HYN	0.5	1.2	1.2	0.5	0.4	0.4	8.9	5.9	14.8	1143.3	29.7	1173.0
HFG	2.0	4.8	5.0	2.1	1.8	1.7	23.5	15.7	39.2	3367.7	78.4	3446.1
QNH	1.5	3.6	3.8	1.6	1.4	1.3	10.7	7.2	17.9	1518.7	35.8	1554.5
HNM	0.2	0.6	0.6	0.2	0.2	0.2	3.0	2.0	5.0	343.8	10.0	353.8
NDH	1.3	3.2	3.3	1.4	1.2	1.1	13.5	9.0	22.6	1704.1	45.1	1749.2
NBH	0.4	0.9	1.0	0.4	0.4	0.3	5.4	3.6	9.1	663.8	18.1	681.9
TIA	2.1	5.1	5.3	2.2	1.9	1.8	20.9	13.9	34.7	2520.9	69.5	2590.4
NAN	3.3	8.0	8.2	3.5	3.0	2.9	27.4	18.2	45.6	3646.4	91.2	3737.5
HTH	0.4	0.9	0.9	0.4	0.3	0.3	4.8	3.2	8.1	555.9	16.1	572.0
QBN	1.4	3.5	3.6	1.5	1.3	1.3	7.3	4.8	12.1	951.3	24.2	975.5
QTI	0.7	1.6	1.6	0.7	0.6	0.6	4.1	2.8	6.9	539.6	13.8	553.4
THH	2.0	4.7	4.8	2.0	1.8	1.7	10.8	7.2	18.1	1494.8	36.1	1530.9
DNG	2.3	5.6	5.6	2.4	2.1	2.1	12.3	8.2	20.5	1917.6	41.0	1958.6
QNM	1.3	3.0	3.0	1.3	1.2	1.1	7.2	4.8	12.0	871.6	23.9	895.6
QNI	1.7	4.1	4.0	1.7	1.6	1.5	8.3	5.6	13.9	1060.6	27.8	1088.4
BDI	3.7	8.8	8.5	3.7	3.4	3.3	15.8	10.5	26.3	2155.3	52.6	2207.9
GLI	1.4	3.3	3.3	1.4	1.3	1.3	6.9	4.6	11.6	906.4	23.1	929.5
KTM	0.5	1.1	1.1	0.5	0.4	0.4	2.2	1.4	3.6	287.7	7.2	294.9
DLC	3.9	9.3	9.0	3.9	3.5	3.5	14.5	9.7	24.3	1971.1	48.5	2019.6
PYN	1.3	3.1	2.9	1.3	1.2	1.2	5.7	3.8	9.5	735.3	19.1	754.3
KHA	4.9	11.3	10.5	4.7	4.4	4.5	15.8	10.5	26.3	2362.2	52.6	2414.8
LDG	2.6	6.1	5.9	2.6	2.3	2.3	10.2	6.8	17.1	1455.5	34.1	1489.6
NTN	1.1	2.7	2.5	1.1	1.0	1.0	5.0	3.3	8.3	683.5	16.5	700.1
HCM1	7.4	15.4	11.8	6.0	6.5	7.5	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM2	7.4	15.4	11.8	6.0	6.5	7.6	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM3	7.5	15.7	12.1	6.1	6.6	7.7	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM4	7.2	15.0	11.5	5.9	6.3	7.4	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM5	7.5	15.7	12.1	6.1	6.6	7.6	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM6	7.2	15.1	11.5	5.9	6.3	7.4	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM7	7.6	15.9	12.3	6.2	6.7	7.7	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM8	7.7	16.1	12.5	6.3	6.7	7.8	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM9	7.7	16.3	12.6	6.4	6.8	7.8	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM10	7.4	15.4	11.8	6.0	6.4	7.5	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM11	7.6	15.9	12.2	6.2	6.6	7.7	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM12	7.6	16.1	12.4	6.3	6.7	7.8	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM13	7.5	15.7	12.0	6.1	6.6	7.6	13.0	8.7	21.6	2152.7	43.3	2196.0
HCM14	7.4	15.6	11.9	6.1	6.5	7.6	13.0	8.7	21.6	2152.7	43.3	2196.0
BTN	3.7	8.2	7.2	3.4	3.3	3.5	10.4	6.9	17.3	1442.1	34.6	1476.7
DNI	3.5	7.4	5.8	2.9	3.1	3.6	22.5	15.0	37.5	3134.1	75.1	3209.2
BDG	1.7	3.7	2.9	1.5	1.5	1.8	10.8	7.2	17.9	1605.4	35.8	1641.2
BPC	1.7	3.9	3.4	1.6	1.5	1.6	5.0	3.4	8.4	672.9	16.8	689.7
TNI	2.4	5.4	4.5	2.2	2.2	2.4	8.2	5.4	13.6	1096.2	27.2	1123.4
VTU	3.7	8.0	6.5	3.2	3.3	3.6	10.6	7.1	17.6	1561.6	35.3	1596.9
LAN	4.5	8.8	7.9	2.3	2.4	2.7	12.7	8.4	21.1	1703.0	42.3	1745.3
TGG	6.2	11.8	10.3	3.0	2.5	2.8	12.4	8.3	20.7	1596.9	41.5	1638.3
BTE	2.6	5.5	7.3	4.1	5.0	6.9	10.4	6.9	17.4	1329.8	34.7	1364.6
TVH	1.4	4.0	5.3	3.2	4.5	7.8	5.7	3.8	9.4	702.7	18.9	721.6
VLG	8.2	13.7	11.0	2.9	1.9	2.0	8.7	5.8	14.5	1122.9	28.9	1151.8
CTO	29.4	41.5	30.5	7.6	4.9	3.9	16.3	10.8	27.1	2153.4	54.2	2207.6
DTP	1040.7	62.1	31.5	6.4	3.9	3.0	10.8	7.2	18.1	1380.8	36.1	1416.9
AGG	62.3	2239.5	143.5	20.9	11.6	8.8	22.0	14.7	36.7	2969.9	73.5	3043.4
KGG	31.5	143.2	200.2	37.2	17.2	12.3	18.9	12.6	31.6	2654.6	63.2	2717.7
CMU	6.4	20.9	37.2	833.6	15.5	8.5	8.5	5.7	14.1	1105.8	28.3	1134.1
BLU	3.8	11.5	17.2	15.4	753.8	17.2	7.4	5.0	12.4	999.7	24.8	1024.5
STG	3.0	8.7	12.2	8.4	17.1	765.9	8.1	5.4	13.6	1016.3	27.2	1043.5
GW-HNI	10.8	22.0	18.9	8.5	7.4	8.1	0.0	0.0	0.0	0.0	858.0	858.0
GW-DNG	7.2	14.7	12.6	5.7	5.0	5.4	0.0	0.0	0.0	0.0	571.9	571.9
GW-HCN	18.1	36.7	31.6	14.1	12.4	13.6	0.0	0.0	0.0	0.0	1429.8	1429.8
LE Total	1378.8	2963.4	2651.5	1103.8	998.4	1015.1	0.0	0.0	0.0	124174.7	0.0	0.0
GW Total	36.1	73.5	63.2	28.3	24.8	27.2	858.0	571.9	1429.8	0.0	5719.4	0.0
Total	1414.9	3036.9	2714.7	1132.1	1023.2	1042.2	858.0	571.9	1429.8	0.0	0.0	129894.1

Appendix I-8-1 Traffic Matrix for 2005

Abbr	JNI1	JNI2	JNI3	JNI4	JNI5	JNI6	JNI7	JNI8	JNI9	HBI	LCI	LSN	BNI	BGG	CBG	TNN	BCN	PTO	VPC
JNI1	2069.9	29.6	20.5	61.5	26.6	14.6	34.6	24.9	18.0	10.2	4.1	9.6	10.9	10.6	2.3	18.1	2.1	18.7	15.6
JNI2	29.4	2069.9	47.0	18.4	38.5	24.6	17.9	32.2	21.8	10.3	4.1	9.5	11.7	10.8	2.2	18.3	2.0	18.7	16.0
JNI3	20.5	47.2	2069.9	14.8	19.5	60.8	14.9	22.7	30.1	10.1	4.3	9.7	10.6	10.5	2.3	18.0	2.1	18.6	15.4
JNI4	61.3	18.5	14.7	2069.9	17.5	11.2	65.3	29.2	13.1	10.0	4.4	9.8	10.2	10.3	2.3	17.8	2.1	18.6	15.2
JNI5	26.6	38.6	19.4	17.5	2069.9	29.0	17.3	29.2	52.4	10.3	4.2	9.5	11.4	10.7	2.2	18.2	2.1	18.7	15.8
JNI6	14.6	24.8	60.8	11.2	29.1	2069.9	11.8	16.6	62.1	10.0	4.5	9.9	9.8	10.2	2.4	17.6	2.1	18.5	14.9
JNI7	34.6	18.0	14.9	65.5	17.3	11.8	2069.9	55.4	13.4	10.0	4.4	9.9	10.0	10.2	2.3	17.7	2.1	18.5	15.0
JNI8	24.8	32.4	22.7	29.2	29.3	16.6	55.4	2069.9	19.9	10.2	4.3	9.6	10.9	10.6	2.3	18.1	2.1	18.7	15.6
JNI9	18.0	21.8	30.1	13.1	52.4	62.0	13.3	19.9	2069.9	10.1	4.3	9.7	10.5	10.4	2.3	17.9	2.1	18.6	15.3
HBI	10.3	10.4	10.2	10.1	10.3	10.0	10.0	10.2	10.1	873.0	1.7	3.6	2.3	2.9	0.9	5.2	0.7	5.8	4.1
LCI	4.3	4.2	4.4	4.4	4.2	4.5	4.5	4.3	4.4	1.7	620.1	3.0	1.2	1.8	0.9	3.3	0.6	7.1	3.6
LSN	9.7	9.5	9.8	9.9	9.6	10.0	9.9	9.7	9.8	3.6	2.9	1003.2	4.0	8.6	4.3	5.5	1.5	7.5	4.9
BNI	11.0	11.7	10.6	10.2	11.4	9.8	10.0	10.9	10.5	2.3	1.2	4.0	637.6	8.0	0.7	4.1	0.5	4.4	3.3
BGG	10.6	10.8	10.5	10.3	10.7	10.3	10.3	10.6	10.4	2.9	1.8	8.6	8.0	773.2	1.2	5.2	0.7	5.8	4.1
CBG	2.3	2.2	2.3	2.3	2.3	2.4	2.4	2.3	2.3	0.9	0.8	4.3	0.7	1.2	273.1	3.2	1.2	1.9	1.2
TNN	18.2	18.4	18.1	17.9	18.4	17.6	17.8	18.2	18.0	5.2	3.3	5.5	4.1	5.2	3.2	1312.8	4.3	10.4	7.4
BCN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.7	0.6	1.5	0.5	0.7	1.2	4.3	207.5	1.5	1.0
PTO	18.8	18.8	18.7	18.6	18.8	18.6	18.6	18.8	18.7	5.8	7.1	7.5	4.4	5.8	1.9	10.4	1.5	1631.8	40.9
VPC	15.7	16.0	15.5	15.2	15.9	14.9	15.0	15.6	15.4	4.1	3.6	4.9	3.4	4.1	1.2	7.4	1.0	40.8	1172.5
TQG	6.5	6.3	6.5	6.6	6.4	6.6	6.6	6.5	6.5	2.4	2.0	3.4	1.7	2.3	0.9	4.3	0.7	18.3	7.3
YDI	3.3	3.2	3.3	3.4	3.3	3.4	3.4	3.3	3.3	1.2	3.5	1.8	0.9	1.2	0.5	2.2	0.4	8.5	3.6
SEA	6.6	6.4	6.6	6.7	6.4	6.9	6.8	6.6	6.7	4.8	6.5	4.2	1.8	2.6	1.2	4.8	0.8	5.8	3.7
LCU	3.8	3.7	3.9	3.9	3.7	4.0	4.0	3.8	3.9	2.5	11.5	2.7	1.1	1.6	0.8	3.0	0.5	5.0	2.6
HGG	1.9	1.8	1.9	1.9	1.8	2.0	1.9	1.9	1.9	0.8	0.8	1.2	0.5	0.8	0.3	2.4	0.7	3.2	1.6
HYI	54.2	57.3	52.7	50.9	56.0	49.0	49.8	54.0	52.0	41.0	6.3	13.1	10.3	12.0	3.2	21.0	2.8	22.9	17.3
TBI	10.0	10.0	10.0	9.9	10.0	9.9	9.9	10.0	9.9	3.1	2.2	4.0	2.4	3.1	1.1	5.6	0.8	6.4	4.4
IDG	40.0	40.9	39.5	38.8	40.6	38.1	38.4	39.9	39.2	10.6	6.4	7.6	8.6	10.6	3.2	18.9	2.6	21.0	15.2
HYN	25.4	26.5	24.9	24.3	26.1	23.6	23.9	25.4	24.7	6.1	3.4	6.9	5.1	6.1	1.7	10.8	1.5	11.9	8.8
JPG	44.6	44.3	44.6	44.5	44.5	44.5	44.6	44.6	44.6	14.5	10.3	19.1	10.8	14.3	5.0	25.8	3.9	29.6	20.3
QNH	13.5	13.0	13.6	13.8	13.2	14.1	14.0	13.5	13.7	5.6	5.6	24.7	3.7	7.6	2.5	10.0	1.7	12.0	7.6
HNH	0.9	0.9	1.0	1.0	0.9	1.0	1.0	0.9	1.0	2.0	0.5	0.7	0.3	0.4	0.2	0.8	0.1	0.9	0.6
NDH	6.5	6.2	6.6	6.7	6.4	6.9	6.9	6.5	6.7	10.3	3.6	5.0	1.9	2.9	1.5	5.3	1.0	6.5	4.0
NBH	2.0	2.0	2.1	2.1	2.0	2.2	2.1	2.0	2.1	2.5	1.1	1.6	0.6	0.9	0.5	1.6	0.3	2.0	1.2
THA	12.1	11.6	12.3	12.5	11.8	12.8	12.7	12.1	12.4	10.2	6.2	8.9	3.4	5.2	2.6	9.6	1.7	11.7	7.2
NAN	25.1	24.3	25.4	25.8	24.6	26.3	26.1	25.1	25.6	8.1	10.7	16.6	6.9	10.2	4.7	18.8	3.3	22.7	14.3
HTH	2.2	2.1	2.2	2.2	2.1	2.3	2.3	2.2	2.2	1.0	1.0	1.5	0.6	0.9	0.4	1.7	0.3	2.0	1.3
Q8N	3.0	2.8	3.0	3.1	2.9	3.2	3.1	3.0	3.0	1.4	2.0	2.6	0.9	1.4	0.8	2.5	0.5	3.2	1.9
QTH	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.2	1.2	0.6	0.8	1.0	0.3	0.5	0.3	1.0	0.2	1.3	0.8
TTH	4.0	3.8	4.0	4.1	3.9	4.2	4.2	4.0	4.1	1.9	2.5	3.4	1.2	1.8	1.0	3.4	0.6	4.2	2.5
DNG	5.0	4.8	5.1	5.2	4.9	5.4	5.3	5.0	5.2	2.4	3.1	4.2	1.5	2.3	1.3	4.2	0.8	5.2	3.2
QNM	1.4	1.3	1.4	1.5	1.4	1.5	1.5	1.4	1.4	0.7	1.0	1.2	0.4	0.7	0.4	1.2	0.2	1.5	0.9
QNI	1.9	1.8	1.9	2.0	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.6	0.9	0.5	1.6	0.3	2.1	1.2
BDH	4.0	3.8	4.1	4.2	3.9	4.3	4.3	4.0	4.1	2.0	2.7	3.5	1.2	1.9	1.1	3.5	0.7	4.3	2.6
GLI	1.4	1.4	1.5	1.5	1.4	1.5	1.5	1.4	1.5	0.7	1.0	1.3	0.4	0.7	0.4	1.2	0.2	1.6	0.9
KIM	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.3	0.4	0.1	0.2	0.1	0.4	0.1	0.5	0.3
DLC	3.3	3.2	3.4	3.5	3.2	3.6	3.5	3.3	3.4	1.6	2.4	3.0	1.0	1.6	0.9	2.9	0.6	3.6	2.2
PYN	0.9	0.9	1.0	1.0	0.9	1.0	1.0	0.9	1.0	0.5	0.7	0.8	0.3	0.4	0.3	0.8	0.2	1.0	0.6
KHA	3.3	3.2	3.4	3.5	3.2	3.6	3.5	3.3	3.4	1.6	2.4	3.0	1.0	1.6	0.9	2.9	0.6	3.6	2.1
LDG	1.9	1.8	1.9	1.9	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.5	0.9	0.5	1.6	0.3	2.0	1.2
NIN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.6	0.7	0.2	0.4	0.2	0.7	0.1	0.9	0.5
HCM1	1.8	1.8	1.9	1.9	1.8	2.0	1.9	1.8	1.9	0.9	1.3	1.6	0.5	0.9	0.5	1.6	0.3	2.0	1.2
HCM2	1.8	1.8	1.9	1.9	1.8	2.0	2.0	1.8	1.9	0.9	1.3	1.6	0.5	0.9	0.5	1.6	0.3	2.0	1.2
HCM3	1.9	1.8	1.9	2.0	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.6	0.9	0.5	1.6	0.3	2.1	1.2
HCM4	1.8	1.7	1.8	1.8	1.7	1.9	1.9	1.8	1.8	0.9	1.3	1.6	0.5	0.8	0.5	1.5	0.3	1.9	1.1
HCM5	1.9	1.8	1.9	2.0	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.6	0.9	0.5	1.6	0.3	2.1	1.2
HCM6	1.8	1.7	1.8	1.9	1.7	1.9	1.9	1.8	1.8	0.9	1.3	1.6	0.5	0.8	0.5	1.5	0.3	1.9	1.1
HCM7	1.9	1.8	2.0	2.0	1.9	2.1	2.1	1.9	2.0	0.9	1.4	1.7	0.6	0.9	0.5	1.7	0.3	2.1	1.2
HCM8	2.0	1.9	2.0	2.1	1.9	2.1	2.1	2.0	2.0	1.0	1.4	1.8	0.6	0.9	0.5	1.7	0.3	2.1	1.3
HCM9	2.0	1.9	2.0	2.1	1.9	2.1	2.1	2.0	2.1	1.0	1.4	1.8	0.6	0.9	0.6	1.7	0.3	2.2	1.3
HCM10	1.8	1.7	1.9	1.9	1.8	2.0	1.9	1.8	1.9	0.9	1.3	1.6	0.5	0.9	0.5	1.6	0.3	2.0	1.2
HCM11	1.9	1.8	2.0	2.0	1.9	2.1	2.1	1.9	2.0	0.9	1.4	1.7	0.6	0.9	0.5	1.7	0.3	2.1	1.2
HCM12	2.0	1.9	2.0	2.0	1.9	2.1	2.1	2.0	2.0	1.0	1.4	1.7	0.6	0.9	0.5	1.7	0.3	2.1	1.3
HCM13	1.9	1.8	1.9	2.0	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.6	0.9	0.5	1.6	0.3	2.0	1.2
HCM14	1.9	1.8	1.9	1.9	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.6	0.9	0.5	1.6	0.3	2.0	1.2
BTN	1.5	1.4	1.5	1.6	1.5	1.6	1.6	1.5	1.5	0.7	1.1	1.4	0.4	0.7	0.4	1.3	0.3	1.6	1.0
BDI	1.1	1.0	1.1	1.1	1.1	1.2	1.2	1.1	1.1	0.5	0.8	1.0	0.3	0.5	0.3	0.9	0.2	1.2	0.7
BDG	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.3	0.5	0.6	0.2	0.3	0.2	0.6	0.1	0.7	0.4
BPC	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.6	0.7	0.2	0.4	0.2	0.7	0.1	0.9	0.5
TNH	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.4	0.6	0.8	0.2	0.4	0.2	0.7	0.1	0.9	0.5
VIU	1.3	1.2	1.3	1.3	1.2	1.4	1.4	1.3	1.3	0.6	0.9	1.1	0.4	0.6	0.4	1.1	0.2	1.4	0.8
LAN	0.9	0.9	0.9	1.0	0.9	1.0	1.0	0.9	0.9	0.5	0.7	0.8	0.3	0.4	0.3	0.8	0.2	1.0	0.6
TGG	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.5	0.7	0.9	0.3	0.4</					

Appendix I-8-1 Traffic Matrix for 2005

(7/15)

ARR	TOG	YBI	SLA	LCU	HGG	HTY	UBH	HFG	HYN	HFG	QNH	HNH	NDH	NBH	THA	NAN	HTH	OBN	QTH
HN1	6.4	3.3	6.5	3.7	1.8	53.6	9.9	39.8	25.3	44.3	13.3	0.9	6.2	1.9	11.6	24.3	2.1	2.9	1.1
HN2	6.3	3.2	6.3	3.6	1.8	56.7	9.9	40.7	26.4	44.1	12.9	0.9	6.0	1.9	11.2	23.5	2.0	2.7	1.1
HN3	6.5	3.3	6.6	3.8	1.9	52.2	9.9	39.3	24.8	44.4	13.5	0.9	6.3	2.0	11.8	24.6	2.1	2.9	1.2
HN4	6.5	3.3	6.7	3.9	1.9	50.5	9.9	38.7	24.2	44.4	13.7	0.9	6.5	2.0	12.1	25.0	2.1	3.0	1.2
HN5	6.3	3.2	6.4	3.7	1.8	55.4	9.9	40.3	25.9	44.2	13.1	0.9	6.1	1.9	11.4	23.9	2.0	2.8	1.1
HN6	6.6	3.4	6.8	4.0	1.9	48.6	9.9	38.0	23.5	44.3	14.0	1.0	6.6	2.0	12.4	25.5	2.2	3.1	1.2
HN7	6.6	3.4	6.7	3.9	1.9	49.4	9.9	38.3	23.8	44.4	13.9	0.9	6.6	2.0	12.2	25.3	2.2	3.0	1.2
HN8	6.4	3.3	6.5	3.8	1.9	53.4	9.9	39.7	25.2	44.3	13.3	0.9	6.2	1.9	11.7	24.3	2.1	2.9	1.1
HN9	6.5	3.3	6.6	3.8	1.9	51.5	9.9	39.1	24.6	44.4	13.6	0.9	6.4	2.0	11.9	24.8	2.1	2.9	1.2
HBH	2.4	1.2	4.8	2.4	0.8	40.8	3.1	10.6	6.1	14.5	5.6	1.9	9.9	2.4	9.9	7.9	0.9	1.4	0.6
LCI	2.0	3.5	6.5	11.5	0.8	6.3	2.2	6.4	3.4	10.4	5.6	0.5	3.5	1.1	6.0	10.6	1.0	2.0	0.8
LSN	3.4	1.8	4.2	2.7	1.2	13.1	4.1	7.7	7.0	19.1	24.7	0.7	4.9	1.5	8.7	16.3	1.5	2.5	1.0
BNI	1.7	0.9	1.8	1.1	0.5	10.2	2.4	8.6	5.1	10.7	3.7	0.3	1.8	0.6	3.3	6.7	0.6	0.8	0.3
BGG	2.3	1.2	2.6	1.6	0.8	11.9	3.1	10.6	6.1	14.3	7.5	0.4	2.7	0.8	5.0	10.0	0.9	1.3	0.5
CBG	0.9	0.5	1.2	0.8	0.3	3.2	1.1	3.2	1.7	5.0	2.5	0.2	1.5	0.4	2.6	4.6	0.4	0.8	0.3
TNN	4.2	2.2	4.8	3.0	2.4	20.9	5.6	18.9	10.8	25.8	9.9	0.7	5.1	1.6	9.3	18.3	1.6	2.5	1.0
BCN	0.7	0.4	0.8	0.5	0.7	2.7	0.8	2.6	1.5	3.9	1.7	0.1	0.9	0.3	1.7	3.2	0.3	0.5	0.2
PTO	18.3	8.5	5.7	4.9	3.2	22.8	6.4	21.0	11.9	29.6	11.9	0.9	6.3	1.9	11.4	22.1	2.0	3.1	1.2
VPC	7.3	3.6	3.6	2.6	1.6	17.2	4.4	15.2	8.8	20.3	7.5	0.6	3.8	1.2	7.0	13.9	1.2	1.8	0.7
TOG	691.9	1.2	2.8	1.8	2.8	8.7	2.7	8.5	4.6	12.8	5.8	0.5	3.3	1.0	5.9	10.9	1.0	1.7	0.7
YBI	1.2	367.8	1.7	2.1	0.4	4.5	1.4	4.4	2.4	6.7	3.1	0.3	1.8	0.5	3.1	5.8	0.5	0.9	0.4
SLA	2.8	1.7	835.5	13.0	1.1	12.9	3.2	9.4	5.1	15.0	7.7	0.7	4.6	1.4	8.1	14.4	1.3	2.5	1.0
LCU	1.8	2.1	13.0	601.9	0.7	7.0	2.0	5.8	3.1	9.5	5.3	0.5	3.4	1.0	5.8	10.0	0.9	1.9	0.8
HGG	2.8	0.4	1.1	0.7	246.1	2.7	0.9	2.7	1.5	4.4	2.3	0.2	1.4	0.4	2.4	4.3	0.4	0.8	0.3
HTY	8.8	4.5	12.9	7.0	2.7	3302.7	12.3	44.2	26.2	56.0	19.4	8.0	38.6	9.0	35.4	31.9	2.7	4.5	1.8
UBH	2.7	1.4	3.1	2.0	0.9	12.2	970.5	17.6	19.9	55.5	6.5	0.5	3.4	1.0	6.2	12.0	1.1	1.7	0.7
HFG	8.4	4.4	9.4	5.7	2.7	44.0	17.6	3118.0	22.5	201.0	30.8	1.4	9.8	3.0	18.0	35.8	3.1	4.7	1.9
HYN	4.6	2.4	5.0	3.0	1.5	26.1	19.9	22.5	1642.4	43.3	10.4	0.7	5.2	1.6	9.6	19.2	1.7	2.5	1.0
HFG	12.8	6.7	14.9	9.4	4.3	55.8	55.6	201.1	43.3	4139.4	31.0	2.4	16.5	5.1	29.9	57.5	5.1	8.2	3.2
QNH	5.9	3.1	7.7	5.3	2.3	19.4	6.5	30.9	10.5	31.2	1689.5	1.4	9.8	3.0	17.1	30.3	2.8	5.4	2.1
HNH	0.5	0.3	0.7	0.5	0.2	8.3	0.5	1.5	0.8	2.5	1.5	350.5	30.4	4.6	13.0	9.0	0.8	1.0	0.4
NDH	3.4	1.8	4.8	3.5	1.4	39.9	3.6	10.2	5.4	17.1	10.1	30.3	1984.2	62.2	116.3	67.7	5.5	6.6	2.7
NBH	1.0	0.6	1.5	1.1	0.4	9.5	1.1	3.2	1.7	5.3	3.1	4.6	63.0	776.8	52.7	23.2	1.8	2.0	0.8
THA	6.0	3.2	8.3	5.9	2.5	36.4	6.4	18.6	9.9	30.8	17.5	12.8	115.4	51.7	2933.5	174.4	12.4	11.1	4.6
NAN	11.2	5.9	14.7	10.2	4.4	32.6	12.4	36.7	19.7	59.1	31.0	8.9	66.8	22.6	173.5	4133.9	57.0	18.8	7.9
HTH	1.0	0.5	1.4	1.0	0.4	2.8	1.1	3.2	1.7	5.3	2.9	0.7	5.5	1.8	12.4	57.4	566.6	11.0	2.0
OBN	1.7	0.9	2.6	2.0	0.8	4.6	1.7	4.9	2.5	8.4	5.5	1.0	6.5	2.0	11.1	18.8	11.0	136.1	16.6
QTH	0.7	0.4	1.0	0.8	0.3	1.9	0.7	1.9	1.0	3.4	2.2	0.4	2.7	0.8	4.6	8.0	2.0	16.7	556.5
THH	2.3	1.2	3.3	2.5	1.0	6.2	2.3	6.4	3.4	11.1	7.0	1.3	8.9	2.7	15.6	27.8	4.9	32.6	31.4
DNG	2.8	1.5	4.1	3.1	1.2	7.8	2.9	8.1	4.3	13.9	8.7	1.7	11.4	3.5	20.3	37.6	4.4	25.6	16.0
QNM	0.8	0.5	1.3	1.0	0.4	2.2	0.8	2.3	1.2	4.1	2.7	0.5	3.0	0.9	5.0	8.2	0.8	4.1	1.7
QNI	1.1	0.6	1.7	1.3	0.5	3.0	1.1	3.1	1.6	5.5	3.6	0.6	4.1	1.2	6.9	11.2	1.1	5.7	2.4
BDH	2.4	1.3	3.5	2.7	1.1	6.3	2.4	6.6	3.5	11.5	7.5	1.3	8.8	2.7	15.0	25.2	2.4	13.5	6.0
GLI	0.9	0.5	1.3	1.0	0.4	2.3	0.9	2.4	1.2	4.2	2.7	0.5	3.1	0.9	5.2	8.6	0.8	4.4	1.9
KIM	0.3	0.2	0.4	0.3	0.1	0.7	0.3	0.8	0.4	1.4	0.9	0.2	1.0	0.3	1.7	2.8	0.3	1.4	0.6
DLC	2.0	1.1	3.1	2.4	0.9	5.2	2.0	5.5	2.9	9.7	6.6	1.1	7.2	2.1	11.8	18.7	1.8	9.0	3.6
PYN	0.6	0.3	0.9	0.7	0.3	1.5	0.6	1.6	0.8	2.8	1.9	0.3	2.1	0.6	3.4	5.5	0.5	2.7	1.1
KHA	2.0	1.1	3.0	2.4	0.9	5.2	2.0	5.5	2.9	9.7	6.4	1.1	7.3	2.2	12.1	19.8	1.9	10.0	4.2
LDG	1.1	0.6	1.7	1.3	0.5	2.9	1.1	3.1	1.6	5.4	3.6	0.6	4.0	1.2	6.6	10.6	1.0	5.2	2.1
NTN	0.5	0.3	0.7	0.6	0.2	1.2	0.5	1.3	0.7	2.3	1.5	0.3	1.7	0.5	2.8	4.6	0.4	2.3	0.9
HCM1	1.1	0.6	1.7	1.3	0.5	2.9	1.1	3.0	1.6	5.3	3.5	0.5	3.1	0.9	5.1	8.0	0.8	3.8	1.5
HCM2	1.1	0.6	1.7	1.3	0.5	2.9	1.1	3.0	1.6	5.3	3.6	0.5	3.1	0.9	5.1	8.0	0.8	3.8	1.5
HCM3	1.1	0.6	1.7	1.3	0.5	3.0	1.1	3.1	1.6	5.5	3.7	0.5	3.2	0.9	5.2	8.2	0.8	3.9	1.5
HCM4	1.1	0.6	1.6	1.3	0.5	2.8	1.1	2.9	1.5	5.1	3.4	0.4	3.0	0.9	4.9	7.7	0.8	3.7	1.4
HCM5	1.1	0.6	1.7	1.3	0.5	3.0	1.1	3.1	1.6	5.5	3.6	0.5	3.2	0.9	5.2	8.2	0.8	3.9	1.5
HCM6	1.1	0.6	1.6	1.3	0.5	2.8	1.1	3.0	1.5	5.2	3.4	0.5	3.0	0.9	4.9	7.8	0.8	3.7	1.5
HCM7	1.2	0.6	1.7	1.4	0.5	3.0	1.2	3.2	1.7	5.6	3.7	0.5	3.3	1.0	5.3	8.4	0.8	4.0	1.6
HCM8	1.2	0.6	1.8	1.4	0.5	3.1	1.2	3.3	1.7	5.7	3.8	0.5	3.3	1.0	5.5	8.6	0.8	4.1	1.6
HCM9	1.2	0.7	1.8	1.4	0.6	3.1	1.2	3.3	1.7	5.8	3.9	0.5	3.4	1.0	5.5	8.7	0.9	4.1	1.6
HCM10	1.1	0.6	1.7	1.3	0.5	2.9	1.1	3.0	1.6	5.3	3.5	0.5	3.1	0.9	5.1	8.0	0.8	3.8	1.5
HCM11	1.2	0.6	1.7	1.4	0.5	3.0	1.1	3.2	1.7	5.6	3.7	0.5	3.3	1.0	5.3	8.4	0.8	4.0	1.6
HCM12	1.2	0.6	1.8	1.4	0.5	3.1	1.2	3.2	1.7	5.7	3.8	0.5	3.3	1.0	5.4	8.5	0.8	4.0	1.6
HCM13	1.1	0.6	1.7	1.3	0.5	3.0	1.1	3.1	1.6	5.5	3.6	0.5	3.2	0.9	5.2	8.2	0.8	3.9	1.5
HCM14	1.1	0.6	1.7	1.3	0.5	2.9	1.1	3.1	1.6	5.4	3.6	0.5	3.1	0.9	5.1	8.1	0.8	3.8	1.5
BTN	0.9	0.5	1.4	1.1	0.4	2.4	0.9	2.5	1.3	4.4	3.0	0.4	2.6	0.8	4.2	6.6	0.7	3.1	1.2
DNI	0.7	0.4	1.0	0.8	0.3	1.7	0.7	1.8	0.9	3.2	2.1	0.3	1.8	0.5	3.0	4.8	0.5	2.2	0.9
BDG	0.4	0.2	0.6	0.5	0.2	1.0	0.4	1.1	0.6	1.9	1.2	0.2	1.1	0.3	1.8	2.8	0.3	1.3	0.5
BPC	0.5	0.3	0.7	0.6	0.2	1.2	0.5	1.3	0.7	2.3	1.5	0.2	1.3	0.4	2.2	3.4	0.3	1.6	0.6
TNI	0.5	0.3	0.8	0.6	0.2	1.3	0.5	1.4	0.7	2.4	1.6	0.2	1.4	0.4	2.3	3.7	0.4	1.7	0.7
VTU	0.8	0.4	1.2	0.9	0.3	2.0	0.8	2.1	1.1	3.7	2.5	0.3	2.1	0.6	3.6	5.6	0.5	2.6	1.0
LAN	0.6	0.3	0.8	0.7	0.3	1.5	0.6	1.5	0.8	2.7	1.8	0.2	1.6	0.5	2.6	4.0	0.4	1.9	0.7
TGG	0.6	0.3	0.9	0.7	0.3	1.5	0.6	1.6	0.8	2.8	1.9	0.2	1.6	0.5	2.7	4.2	0.4	2.0	0.8
BTE	0.6	0.3	1.0																

Appendix I-8-1 Traffic Matrix for 2005

Abbr	TTH	DNG	QNM	QNI	BDH	GLI	KIM	DLC	PYN	KHA	LDG	NIN	HCM1	HCM2	HCM3	HCM4	HCM5	HCM6	HCM7
HN11	3.8	4.8	1.3	1.8	3.9	1.4	0.5	3.3	0.9	3.3	1.8	0.8	1.9	1.9	2.0	1.8	2.0	1.9	2.0
HN12	3.7	4.6	1.3	1.7	3.8	1.3	0.4	3.1	0.9	3.1	1.7	0.7	1.8	1.8	1.9	1.8	1.9	1.9	2.0
HN13	3.9	4.9	1.4	1.9	4.0	1.4	0.5	3.3	0.9	3.3	1.9	0.8	1.9	1.9	2.0	1.9	2.0	1.9	2.0
HN14	4.0	5.0	1.4	1.9	4.1	1.5	0.5	3.4	1.0	3.4	1.9	0.8	2.0	2.0	2.0	1.9	2.0	1.9	2.1
HN15	3.7	4.7	1.3	1.8	3.8	1.4	0.4	3.2	0.9	3.2	1.8	0.8	1.9	1.9	1.9	1.8	1.9	1.8	2.0
HN16	4.1	5.2	1.4	2.0	4.2	1.5	0.5	3.5	1.0	3.5	2.0	0.8	2.1	2.1	2.1	2.0	2.1	2.0	2.2
HN17	4.1	5.1	1.4	1.9	4.2	1.5	0.5	3.5	1.0	3.5	1.9	0.8	2.0	2.0	2.1	2.0	2.1	2.0	2.1
HN18	3.8	4.8	1.3	1.8	3.9	1.4	0.5	3.3	0.9	3.3	1.8	0.8	1.9	1.9	2.0	1.8	2.0	1.9	2.0
HN19	3.9	5.0	1.4	1.9	4.0	1.4	0.5	3.4	1.0	3.4	1.9	0.8	2.0	2.0	2.0	1.9	2.0	1.9	2.1
HBH	1.8	2.3	0.7	0.9	1.9	0.7	0.2	1.6	0.5	1.6	0.9	0.4	0.9	0.9	1.0	0.9	1.0	0.9	1.0
LCT	2.5	3.1	1.0	1.3	2.7	1.0	0.3	2.4	0.7	2.3	1.3	0.6	1.4	1.4	1.4	1.3	1.4	1.3	1.4
LSN	3.3	4.1	1.2	1.6	3.5	1.2	0.4	3.0	0.8	2.9	1.7	0.7	1.7	1.7	1.8	1.7	1.8	1.7	1.8
BNH	1.1	1.4	0.4	0.5	1.2	0.4	0.1	1.0	0.3	1.0	0.5	0.2	0.6	0.6	0.6	0.5	0.6	0.5	0.6
BGG	1.8	2.2	0.6	0.9	1.8	0.7	0.2	1.5	0.4	1.5	0.9	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CBG	1.0	1.2	0.4	0.5	1.1	0.4	0.1	0.9	0.3	0.9	0.5	0.2	0.5	0.5	0.6	0.5	0.5	0.5	0.6
TNN	3.3	4.1	1.2	1.6	3.4	1.2	0.4	2.9	0.8	2.9	1.6	0.7	1.7	1.7	1.7	1.6	1.7	1.6	1.8
BCN	0.6	0.8	0.2	0.3	0.7	0.2	0.1	0.6	0.2	0.6	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3
PIO	4.0	5.1	1.5	2.0	4.2	1.5	0.5	3.6	1.0	3.6	2.0	0.9	2.1	2.1	2.1	2.0	2.1	2.0	2.2
VFC	2.4	3.0	0.9	1.2	2.5	0.9	0.3	2.1	0.6	2.1	1.2	0.5	1.2	1.2	1.3	1.2	1.3	1.2	1.3
TQG	2.2	2.7	0.8	1.1	2.3	0.8	0.3	2.0	0.6	2.0	1.1	0.5	1.2	1.2	1.2	1.1	1.2	1.1	1.2
YBJ	1.2	1.5	0.4	0.6	1.3	0.5	0.2	1.1	0.3	1.1	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.7
SLA	3.2	4.0	1.2	1.7	3.5	1.3	0.4	3.1	0.9	3.0	1.7	0.7	1.7	1.7	1.8	1.7	1.8	1.7	1.8
LCU	2.5	3.0	1.0	1.3	2.7	1.0	0.3	2.4	0.7	2.3	1.3	0.6	1.4	1.4	1.4	1.3	1.4	1.3	1.4
HGG	1.0	1.2	0.4	0.5	1.1	0.4	0.1	0.9	0.3	0.9	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.6
HTY	6.0	7.5	2.1	2.9	6.2	2.2	0.7	5.2	1.5	5.2	2.9	1.2	3.0	3.0	3.1	2.9	3.1	2.9	3.2
TBH	2.2	2.8	0.8	1.1	2.3	0.8	0.3	2.0	0.6	2.0	1.1	0.5	1.1	1.1	1.2	1.1	1.2	1.1	1.2
HIDG	6.2	7.8	2.2	3.0	6.5	2.3	0.8	5.5	1.6	5.5	3.0	1.3	3.2	3.2	3.3	3.1	3.3	3.1	3.3
HYN	3.3	4.1	1.2	1.6	3.4	1.2	0.4	2.8	0.8	2.9	1.6	0.7	1.7	1.7	1.7	1.6	1.7	1.6	1.7
HFG	10.8	13.4	3.9	5.3	11.3	4.1	1.3	9.6	2.7	9.6	5.3	2.3	5.6	5.6	5.7	5.4	5.7	5.4	5.8
QNH	6.8	8.4	2.6	3.6	7.4	2.7	0.9	6.5	1.8	6.4	3.6	1.5	3.7	3.7	3.8	3.6	3.8	3.6	3.9
HNM	1.3	1.7	0.5	0.6	1.3	0.5	0.2	1.1	0.3	1.1	0.6	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NDH	8.9	11.4	3.1	4.2	9.0	3.2	1.0	7.3	2.1	7.5	4.1	1.8	3.4	3.4	3.5	3.3	3.5	3.3	3.5
NBH	2.7	3.5	0.9	1.3	2.7	1.0	0.3	2.2	0.6	2.3	1.2	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.1
THA	15.5	20.2	5.1	6.9	15.2	5.3	1.7	12.0	3.5	12.4	6.7	2.9	5.5	5.5	5.6	5.3	5.6	5.3	5.8
NAN	27.6	37.3	8.1	11.2	25.4	8.6	2.8	18.9	5.6	20.1	10.7	4.7	8.6	8.6	8.8	8.3	8.8	8.3	9.0
HTH	4.9	4.4	0.8	1.1	2.4	0.8	0.3	1.9	0.5	2.0	1.1	0.5	0.8	0.9	0.9	0.8	0.9	0.8	0.9
QBN	32.5	25.4	4.1	5.7	13.7	4.4	1.4	9.1	2.7	10.2	5.2	2.3	4.1	4.1	4.2	3.9	4.2	4.0	4.3
QTI	31.6	16.1	1.7	2.4	6.1	1.9	0.6	3.6	1.1	4.3	2.1	1.0	1.6	1.6	1.7	1.6	1.7	1.6	1.7
TTH	1669.9	89.5	5.8	8.3	22.0	6.5	2.0	12.1	3.8	14.7	7.2	3.2	5.3	5.3	5.5	5.2	5.5	5.2	5.6
DNG	89.8	2204.8	36.6	38.9	31.9	14.4	6.1	15.3	5.0	19.5	9.2	4.2	6.7	6.7	6.9	6.4	6.8	6.5	7.0
QNM	5.8	56.4	948.6	40.2	19.9	5.0	2.2	8.1	2.7	11.0	5.0	2.3	3.5	3.5	3.6	3.4	3.6	3.4	3.7
QNI	8.2	38.6	40.0	1173.2	34.9	7.7	2.3	11.5	4.0	16.6	7.1	3.4	4.9	4.9	5.0	4.7	5.0	4.8	5.1
BDH	21.7	31.4	19.6	34.6	2428.3	30.6	7.7	44.0	40.1	58.2	19.3	10.1	11.7	11.8	12.0	11.4	12.0	11.5	12.3
GLI	6.4	14.2	4.9	7.7	30.8	932.8	11.8	35.0	5.9	13.3	11.0	3.3	3.8	3.8	3.9	3.7	3.9	3.7	4.0
KIM	2.0	6.1	2.2	2.3	7.8	11.9	289.7	2.8	1.0	4.0	1.7	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.3
DLC	11.9	15.0	8.0	11.3	43.7	34.7	2.8	2257.7	10.7	48.2	80.3	17.9	12.2	12.2	12.5	11.8	12.4	11.8	12.7
PYN	3.8	4.9	2.7	3.9	39.8	5.9	0.9	10.7	794.4	31.4	7.6	4.4	4.2	4.2	4.3	4.0	4.3	4.1	4.3
KHA	14.4	19.1	10.7	16.3	57.7	13.1	3.9	48.0	31.3	2602.3	40.2	31.8	17.4	17.4	17.8	16.9	17.7	17.0	18.1
LDG	7.0	9.0	4.9	7.0	19.2	10.8	1.7	80.1	7.6	40.2	1499.7	20.9	7.5	7.5	7.7	7.3	7.7	7.3	7.8
NIN	3.2	4.1	2.3	3.3	10.0	3.3	0.8	17.8	4.4	31.7	20.8	713.6	3.6	3.6	3.7	3.5	3.6	3.5	3.7
HCM1	4.9	6.2	3.2	4.6	11.0	3.5	1.1	11.4	3.9	16.5	7.1	3.4	2343.0	14.0	53.6	21.1	10.6	18.0	32.4
HCM2	5.0	6.2	3.3	4.6	11.0	3.5	1.1	11.5	3.9	16.5	7.1	3.4	13.9	2343.0	9.3	46.9	52.1	14.8	8.5
HCM3	5.1	6.3	3.3	4.7	11.3	3.6	1.2	11.8	4.0	16.9	7.3	3.5	53.6	9.4	2343.0	13.2	7.4	11.5	64.7
HCM4	4.8	5.9	3.1	4.4	10.7	3.4	1.1	11.1	3.8	16.0	6.9	3.3	20.9	46.9	13.1	2343.0	24.5	24.8	11.5
HCM5	5.1	6.3	3.3	4.7	11.3	3.6	1.2	11.8	4.0	16.8	7.3	3.5	10.5	52.1	7.4	24.6	2343.0	10.8	6.9
HCM6	4.8	6.0	3.2	4.4	10.7	3.4	1.1	11.2	3.8	16.1	6.9	3.3	17.9	14.8	11.4	24.9	10.8	2343.0	10.1
HCM7	5.2	6.5	3.4	4.8	11.5	3.7	1.2	12.0	4.1	17.1	7.4	3.5	32.6	8.6	65.0	11.7	6.9	10.2	2343.0
HCM8	5.3	6.6	3.5	4.9	11.7	3.8	1.2	12.2	4.2	17.4	7.6	3.6	8.7	29.7	6.3	19.3	57.4	8.5	6.0
HCM9	5.4	6.7	3.5	4.9	11.9	3.8	1.2	12.4	4.2	17.6	7.7	3.6	20.1	7.6	25.2	9.9	6.3	13.5	41.1
HCM10	4.9	6.1	3.2	4.5	11.0	3.5	1.1	11.4	3.9	16.4	7.1	3.4	13.7	11.4	9.1	17.4	8.7	52.8	10.0
HCM11	5.2	6.4	3.4	4.8	11.5	3.7	1.2	12.0	4.1	17.1	7.4	3.5	11.1	20.6	7.9	12.7	28.3	11.1	7.4
HCM12	5.3	6.5	3.4	4.8	11.7	3.7	1.2	12.1	4.2	17.3	7.5	3.6	14.9	8.5	16.8	11.3	6.9	17.2	23.4
HCM13	5.1	6.3	3.3	4.7	11.3	3.6	1.2	11.7	4.0	16.8	7.3	3.5	12.5	10.5	11.3	14.9	8.3	30.1	14.3
HCM14	5.0	6.2	3.3	4.6	11.2	3.6	1.1	11.6	4.0	16.7	7.2	3.4	16.6	13.9	11.4	20.2	20.3	17.4	10.5
BJN	3.9	4.8	2.5	3.4	7.8	2.6	0.9	8.4	2.7	10.4	16.1	10.4	17.6	17.6	17.8	17.2	17.7	17.3	18.0
DNJ	2.9	3.6	1.9	2.7	6.4	2.1	0.7	6.7	2.3	9.5	6.0	3.1	68.2	67.5	63.2	73.6	63.5	72.5	60.3
BDG	1.7	2.1	1.1	1.6	3.8	1.2	0.4	4.0	1.4	5.6	2.4	1.2	41.5	41.1	38.4	45.0	38.6	44.3	36.5
BPC	2.0	2.5	1.3	1.8	4.0	1.4	0.4	4.3	1.4	5.3	2.6	1.2	8.7	8.6	8.8	8.5	8.7	8.5	8.9
TNI	2.2	2.7	1.4	2.0	4.6	1.5	0.5	4.9	1.6	6.4	3.0	1.4	15.3	15.3	15.3	15.2	15.3	15.2	15.4
VTU	3.3	4.2	2.2	3.0	6.9	2.3	0.8	7.6	2.5	10.1	4.6	2.0	23.3	23.2	23.3	23.1	23.3	23.2	23.3
LAN	2.5	3.0	1.6	2.2	5.3	1.7	0.6	5.6	1.9	7.6	3.4	1.6	28.9	28.7	28.2	29.3	28.2	29.3	27.8
TGG	2.5	3.1	1.6	2.3	5.3	1.8	0.6	5.6	1.9	7.5	3.4	1.6	21.0	21.0	20.9				

Appendix I-8-1 Traffic Matrix for 2005

(10/15)

ABC	DTP	AGG	KGG	CMU	BLU	STG	GW-INI	GW-DNG	GW-HCM	LE Total	GW Total	Total
HN11	1.0	3.3	3.0	1.1	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HN12	1.0	3.2	2.9	1.0	1.0	1.0	14.9	9.9	24.8	2739.2	49.5	2788.7
HN13	1.0	3.4	3.1	1.1	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HN14	1.1	3.5	3.2	1.1	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HN15	1.0	3.2	2.9	1.0	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HN16	1.1	3.6	3.2	1.1	1.2	1.2	14.9	9.9	24.8	2739.2	49.5	2788.7
HN17	1.1	3.5	3.2	1.1	1.1	1.2	14.9	9.9	24.8	2739.2	49.5	2788.7
HN18	1.0	3.3	3.0	1.1	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HN19	1.0	3.4	3.1	1.1	1.1	1.1	14.9	9.9	24.8	2739.2	49.5	2788.7
HBH	0.5	1.6	1.5	0.5	0.5	0.5	8.4	5.6	14.0	1157.5	28.0	1185.4
LCI	0.7	2.5	2.3	0.8	0.8	0.8	6.0	4.0	10.0	822.3	20.1	842.3
LSN	0.9	3.0	2.8	1.0	1.0	1.0	9.4	6.2	15.6	1329.8	31.3	1361.1
BNH	0.3	1.0	0.9	0.3	0.3	0.3	6.6	4.4	11.0	845.9	22.1	868.0
BGG	0.5	1.6	1.4	0.5	0.5	0.5	8.4	5.6	13.9	1026.1	27.9	1054.0
CBG	0.3	1.0	0.9	0.3	0.3	0.3	3.0	2.0	5.0	362.5	10.0	372.5
TNN	0.9	2.9	2.7	0.9	1.0	1.0	12.3	8.2	20.5	1740.3	41.1	1781.4
BCN	0.2	0.6	0.5	0.2	0.2	0.2	2.2	1.5	3.7	275.3	7.3	282.6
PTO	1.1	3.7	3.3	1.2	1.2	1.2	15.4	10.3	25.7	2163.4	51.5	2214.9
VPC	0.7	2.2	2.0	0.7	0.7	0.7	11.4	7.6	19.1	1554.8	38.1	1593.0
TQG	0.6	2.0	1.9	0.7	0.7	0.7	6.8	4.6	11.4	917.5	22.8	940.3
YBI	0.3	1.1	1.0	0.4	0.4	0.4	4.0	2.6	6.6	488.1	13.2	501.3
SIA	1.0	3.1	2.9	1.0	1.0	1.0	8.3	5.5	13.8	1108.0	27.5	1135.5
LCU	0.8	2.5	2.3	0.8	0.8	0.8	5.9	3.9	9.8	798.2	19.6	817.8
HGG	0.3	1.0	0.9	0.3	0.3	0.3	2.7	1.8	4.6	326.8	9.1	335.9
HIY	1.6	5.3	4.8	1.7	1.7	1.7	30.6	20.4	51.0	4377.9	102.1	4480.0
IBH	0.6	2.0	1.8	0.6	0.7	0.7	10.5	7.0	17.4	1288.0	34.9	1322.9
HDG	1.7	5.5	5.1	1.8	1.8	1.8	27.8	18.5	46.4	4131.9	92.8	4224.6
HYN	0.9	2.9	2.6	0.9	0.9	0.9	15.2	10.2	25.4	2177.1	50.8	2227.9
HPG	3.0	9.8	8.9	3.1	3.2	3.2	34.7	23.1	57.8	5483.1	115.7	5598.8
QNH	2.0	6.7	6.1	2.2	2.2	2.2	14.9	10.0	24.9	2238.7	49.8	2288.5
HNM	0.3	0.9	0.8	0.3	0.3	0.3	3.9	2.6	6.5	465.3	13.0	478.3
NDH	1.8	6.0	5.6	2.0	2.0	2.0	19.3	12.9	32.2	2631.1	64.4	2695.6
NBH	0.6	1.8	1.7	0.6	0.6	0.6	7.8	5.2	13.0	1030.4	26.1	1056.5
THA	3.0	9.7	8.9	3.1	3.2	3.2	29.7	19.8	49.4	3891.1	98.9	3990.0
NAN	4.6	15.0	13.7	4.8	4.9	4.9	38.0	25.3	63.3	5479.4	126.7	5606.1
HHH	0.5	1.5	1.4	0.5	0.5	0.5	6.3	4.2	10.5	752.2	21.1	773.3
QBN	2.1	6.9	6.3	2.2	2.3	2.3	10.5	7.0	17.6	1505.9	35.1	1541.0
QIH	0.8	2.7	2.4	0.9	0.9	0.9	5.5	3.6	9.1	738.0	18.2	756.2
TTH	2.7	8.7	7.8	2.8	2.9	2.9	15.1	10.0	25.1	2213.1	50.3	2263.4
DNG	3.3	10.7	9.5	3.4	3.5	3.6	17.4	11.6	29.0	2919.4	58.1	2977.5
QNM	1.7	5.5	4.8	1.7	1.8	1.9	9.9	6.6	16.5	1258.5	32.9	1291.4
QNI	2.3	7.5	6.6	2.4	2.5	2.5	11.6	7.7	19.3	1555.8	38.7	1594.5
BDH	5.2	16.5	14.1	5.2	5.5	5.7	21.8	14.5	36.3	3218.1	72.7	3290.8
GU	1.8	5.7	5.0	1.8	1.9	2.0	9.1	6.1	15.2	1236.9	30.3	1267.2
KTM	0.6	1.9	1.6	0.6	0.6	0.6	2.8	1.9	4.6	384.1	9.3	393.4
DLC	5.6	17.9	15.5	5.7	5.9	6.1	20.5	13.7	34.2	2992.2	68.4	3060.7
PYN	1.8	5.5	4.7	1.7	1.9	2.0	7.7	5.2	12.9	1053.4	25.8	1079.2
KHA	6.7	20.9	17.1	6.5	7.1	7.5	21.4	14.2	35.6	3446.6	71.2	3517.8
LDG	3.3	10.5	8.9	3.3	3.5	3.6	13.4	9.0	22.4	1987.4	44.8	2032.2
NTN	1.5	4.7	3.9	1.5	1.6	1.7	6.5	4.3	10.9	945.8	21.7	967.5
HCM1	9.2	25.9	17.6	7.5	9.5	11.6	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM2	9.2	26.0	17.6	7.6	9.5	11.6	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM3	9.4	26.5	18.0	7.7	9.6	11.8	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM4	9.0	25.3	17.0	7.3	9.2	11.3	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM5	9.3	26.5	18.0	7.7	9.6	11.7	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM6	9.0	25.4	17.1	7.4	9.3	11.4	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM7	9.5	26.9	18.3	7.8	9.8	11.9	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM8	9.6	27.3	18.6	8.0	9.9	12.0	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM9	9.7	27.5	18.8	8.0	10.0	12.1	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM10	9.2	25.9	17.5	7.5	9.4	11.5	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM11	9.5	26.8	18.3	7.8	9.7	11.9	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM12	9.5	27.1	18.5	7.9	9.8	11.9	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM13	9.3	26.5	18.0	7.7	9.6	11.7	17.5	11.7	29.1	3101.3	58.3	3159.6
HCM14	9.3	26.2	17.8	7.6	9.5	11.7	17.5	11.7	29.1	3101.3	58.3	3159.6
BTN	5.0	15.1	11.6	4.6	5.2	5.8	13.9	9.3	23.2	2056.4	46.5	2102.9
DNI	5.1	14.7	10.2	4.3	5.3	6.4	11.8	21.2	53.0	4685.2	106.1	4791.3
BDG	3.0	8.7	6.0	2.6	3.1	3.8	17.4	11.6	29.0	2861.7	58.0	2919.6
BFC	2.5	7.7	6.0	2.3	2.7	2.9	7.4	4.9	12.3	1049.9	24.5	1074.4
TNI	3.2	9.5	7.0	2.9	3.3	3.8	10.7	7.2	17.9	1508.0	35.8	1543.8
VTU	5.2	15.2	11.0	4.5	5.4	6.2	14.7	9.8	24.5	2302.4	49.1	2351.5
LAN	6.6	17.5	13.9	3.4	4.1	4.8	17.8	11.9	29.7	2602.4	59.5	2661.9
TGG	8.3	21.3	16.5	4.0	4.0	4.6	16.6	11.1	27.6	2249.8	55.3	2305.1
BTE	4.2	11.9	13.9	6.5	9.3	13.5	16.0	10.7	26.7	2219.0	53.4	2272.5
TVH	1.8	6.9	8.2	4.1	6.7	12.4	7.5	5.0	12.5	966.7	24.9	991.7
VLG	11.3	25.6	18.2	4.1	3.1	3.3	11.9	7.9	19.9	1651.7	39.8	1691.5
CIO	38.9	74.2	48.3	10.1	7.6	6.4	21.9	14.6	36.5	3074.9	72.9	3147.8
DTP	1473.0	106.1	47.6	8.2	5.7	4.7	14.5	9.7	24.2	1953.4	48.4	2001.7
AGG	106.5	4132.6	293.5	36.1	23.3	18.4	36.2	24.1	60.3	5475.7	120.7	5596.4
KGG	47.7	292.7	3400.9	56.6	30.6	22.8	28.8	19.2	48.0	4305.2	96.0	4601.2
CMU	8.2	36.0	56.6	1173.0	23.1	13.3	11.3	7.5	18.8	1555.3	37.7	1592.9
BLU	5.7	23.1	30.4	23.0	1209.4	31.3	11.1	7.4	18.4	1603.0	36.9	1639.9
STG	4.6	18.2	22.6	13.2	31.2	1272.2	12.5	8.4	20.9	1687.2	41.8	1729.0
GW-INI	14.5	36.2	28.8	11.3	11.1	12.5	0.0	0.0	0.0	0.0	1203.4	1203.4
GW-DNG	9.7	24.1	19.2	7.5	7.4	8.4	0.0	0.0	0.0	0.0	802.4	802.4
GW-HCM	24.2	60.3	48.0	18.8	18.4	20.9	0.0	0.0	0.0	0.0	2005.8	2005.8
LE Total	1949.5	5459.3	4497.8	1551.9	1600.9	1685.5	0.0	0.0	0.0	186397.2	0.0	0.0
GW Total	48.4	120.7	96.0	37.7	36.9	41.8	1203.4	802.4	2005.8	0.0	8023.2	0.0
Total	1997.9	5580.0	4593.8	1589.5	1637.8	1727.3	1203.4	802.4	2005.8	0.0	0.0	194420.6

Appendix I-8-1 Traffic Matrix for 2010

(11/15)

Abb	HN1	HN2	HN3	HN4	HN5	HN6	HN7	HN8	HN9	HBH	LCI	LSN	BNI	BGG	CBG	TNN	BCN	PTO	VPC
HN1	2947.9	43.0	29.8	89.4	38.7	21.2	50.3	36.2	26.2	13.4	5.5	13.5	14.1	13.7	2.9	25.3	3.0	26.7	23.0
HN2	42.8	2947.9	68.4	26.8	56.0	35.8	26.0	46.9	31.6	13.6	5.4	13.2	15.1	13.9	2.8	25.7	3.0	26.8	23.6
HN3	29.8	68.4	2947.9	21.5	28.3	88.4	21.7	33.0	43.8	13.3	5.6	13.6	13.7	13.5	2.9	25.1	3.0	26.7	22.7
HN4	89.4	26.8	21.5	2947.9	25.4	16.3	95.0	42.4	19.1	13.2	5.7	13.7	13.2	13.4	3.0	24.9	3.1	26.6	22.4
HN5	38.6	56.1	28.2	25.5	2947.9	42.2	25.1	42.5	76.1	13.5	5.4	13.3	14.7	13.8	2.9	25.5	3.0	26.8	23.3
HN6	21.2	36.0	88.4	16.3	42.3	2947.9	17.2	24.2	90.3	13.1	5.9	13.8	12.7	13.2	3.0	24.6	3.1	26.5	22.0
HN7	50.3	26.2	21.7	95.2	25.1	17.2	2947.9	80.5	19.4	13.1	5.8	13.8	12.9	13.2	3.0	24.7	3.1	26.6	22.2
HN8	36.1	47.1	33.0	42.5	42.5	24.2	80.5	2947.9	29.0	13.4	5.5	13.5	14.1	13.6	2.9	25.3	3.0	26.7	23.0
HN9	26.1	31.7	43.7	19.1	76.1	90.2	19.4	28.9	2947.9	13.3	5.7	13.6	13.5	13.5	3.0	25.1	3.0	26.7	22.6
HBH	13.5	13.7	13.4	13.3	13.6	13.2	13.2	13.5	13.3	1177.6	2.2	4.9	2.9	3.7	1.1	7.1	1.1	8.2	6.0
LCI	5.6	5.4	5.7	5.8	5.5	5.9	5.9	5.6	5.7	2.2	831.6	4.0	1.5	2.2	1.1	4.5	0.8	9.9	5.2
LSN	13.6	13.3	13.7	13.8	13.5	13.9	13.9	13.6	13.7	4.9	4.0	1433.7	5.4	11.6	5.8	8.0	2.2	11.1	7.6
BNI	14.2	15.1	13.7	13.2	14.7	12.6	12.9	14.1	13.5	2.9	1.5	5.4	842.2	9.9	0.8	5.5	0.7	6.1	4.7
BGG	13.7	14.0	13.6	13.4	13.9	13.3	13.3	13.7	13.5	3.7	2.2	11.5	9.9	1025.2	1.5	6.9	1.0	8.0	5.9
CBG	2.9	2.9	3.0	3.0	2.9	3.1	3.0	2.9	3.0	1.2	1.1	5.8	0.8	1.5	359.4	4.3	1.6	2.7	1.8
TNN	25.5	25.8	25.3	25.0	25.7	24.7	24.9	25.5	25.2	7.1	4.4	8.0	5.5	7.0	4.3	1885.5	6.5	15.5	11.3
BCN	3.0	3.0	3.1	3.1	3.0	3.1	3.1	3.0	3.1	1.1	0.8	2.2	0.7	1.0	1.6	6.6	310.5	2.4	1.6
PTO	26.9	26.9	26.9	26.7	26.9	26.6	26.7	26.9	26.8	8.2	9.8	11.1	6.1	8.0	2.6	15.5	2.4	2412.1	64.4
VPC	23.2	23.7	22.9	22.5	23.5	22.0	22.2	23.1	22.7	6.0	5.2	7.5	4.8	5.9	1.7	11.3	1.6	64.3	1781.9
TOG	9.5	9.3	9.6	9.6	9.4	9.8	9.7	9.5	9.6	3.5	2.8	5.2	2.4	3.3	1.3	6.5	1.2	28.7	11.8
YBI	4.2	4.2	4.3	4.3	4.2	4.4	4.4	4.3	4.3	1.6	4.3	2.4	1.1	1.5	0.6	3.0	0.5	11.7	5.1
SLA	9.0	8.7	9.1	9.2	8.8	9.4	9.3	9.0	9.1	6.5	8.6	5.9	2.4	3.5	1.5	6.9	1.2	8.4	5.5
LCU	5.5	5.3	5.6	5.7	5.4	5.8	5.8	5.5	5.6	3.5	16.2	4.1	1.5	2.2	1.1	4.5	0.8	7.7	4.2
HGG	2.4	2.3	2.4	2.5	2.3	2.5	2.5	2.4	2.4	1.0	1.0	1.6	0.6	0.9	0.4	3.2	1.0	4.3	2.2
HTY	72.6	76.7	70.7	68.3	75.0	65.8	66.8	72.3	69.7	53.9	8.2	18.3	13.3	15.4	4.1	29.4	4.0	32.8	25.4
TBH	12.8	12.8	12.8	12.8	12.8	12.7	12.8	12.8	12.8	4.0	2.7	5.4	2.9	3.8	1.3	7.5	1.2	8.7	6.2
HJG	63.8	65.1	63.0	61.9	64.6	60.8	61.3	63.6	62.5	16.6	9.8	12.7	13.2	16.3	4.8	31.3	4.5	35.7	26.6
HYN	41.9	43.5	41.1	40.0	42.9	38.9	39.4	41.8	40.6	9.8	5.4	11.9	8.1	9.7	2.7	18.5	2.6	20.9	15.9
HJG	63.5	63.0	63.5	63.4	63.3	63.4	63.5	63.4	63.4	20.3	14.2	28.2	14.7	19.7	6.8	38.3	6.0	45.0	31.8
QNH	18.8	18.2	19.0	19.3	18.4	19.6	19.5	18.8	19.1	7.7	7.5	35.8	4.9	10.2	3.3	14.5	2.6	17.8	11.6
INM	1.2	1.2	1.3	1.3	1.2	1.3	1.3	1.3	1.3	0.7	1.0	0.3	0.5	0.3	1.1	0.2	1.3	0.8	
NDH	8.9	8.5	9.0	9.2	8.7	9.4	9.3	8.9	9.1	13.8	4.7	7.1	2.4	3.7	1.9	7.5	1.4	9.4	5.9
NBH	2.7	2.6	2.8	2.8	2.7	2.9	2.9	2.8	2.8	3.4	1.4	2.2	0.8	1.2	0.6	2.3	0.4	2.9	1.8
THA	16.4	15.7	16.6	16.9	16.0	17.4	17.2	16.4	16.7	13.6	8.1	12.6	4.5	6.8	3.4	13.6	2.6	17.0	10.7
NAN	33.1	32.0	33.6	34.1	32.5	34.8	34.5	33.2	33.8	10.5	13.8	22.8	8.8	13.0	6.0	25.9	4.7	32.0	20.7
HTH	2.9	2.8	2.9	3.0	2.8	3.0	3.0	2.9	2.9	1.3	1.3	2.1	0.8	1.2	0.6	2.3	0.4	2.9	1.8
QBN	4.0	3.8	4.1	4.1	3.9	4.3	4.2	4.0	4.1	1.9	2.6	3.6	1.1	1.8	1.0	3.6	0.7	4.5	2.8
QTI	1.6	1.5	1.6	1.6	1.5	1.7	1.7	1.6	1.6	0.7	1.0	1.4	0.4	0.7	0.4	1.4	0.3	1.8	1.1
THH	5.6	5.3	5.7	5.8	5.4	6.0	5.9	5.6	5.7	2.6	3.5	4.9	1.6	2.4	1.4	4.9	1.0	6.3	3.9
DNG	7.3	7.0	7.4	7.6	7.1	7.8	7.7	7.3	7.5	3.4	4.4	6.3	2.0	3.2	1.8	6.4	1.3	8.1	5.0
QNM	2.0	1.9	2.0	2.1	1.9	2.1	2.1	2.0	2.0	1.0	1.4	1.8	0.6	0.9	0.5	1.8	0.4	2.3	1.4
QNI	2.7	2.6	2.7	2.8	2.6	2.9	2.9	2.7	2.8	1.3	1.8	2.5	0.8	1.2	0.7	2.4	0.5	3.1	1.9
BDH	5.4	5.2	5.5	5.7	5.3	5.8	5.8	5.4	5.6	2.6	3.6	4.9	1.5	2.4	1.4	4.9	1.0	6.2	3.8
GLI	1.9	1.8	1.9	2.0	1.8	2.0	2.0	1.9	1.9	0.9	1.3	1.7	0.5	0.8	0.5	1.7	0.3	2.2	1.3
KTM	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.3	0.4	0.6	0.2	0.3	0.2	0.6	0.1	0.7	0.4
DLC	4.4	4.2	4.5	4.6	4.3	4.8	4.7	4.5	4.6	2.2	3.2	4.2	1.3	2.0	1.2	4.1	0.8	5.2	3.2
PYN	1.3	1.2	1.3	1.3	1.2	1.4	1.3	1.3	1.3	0.6	0.9	1.2	0.4	0.6	0.3	1.2	0.2	1.5	0.9
KHA	4.5	4.3	4.6	4.7	4.4	4.9	4.8	4.5	4.7	2.2	3.1	4.2	1.3	2.0	1.2	4.1	0.8	5.2	3.2
LDG	2.4	2.3	2.5	2.5	2.4	2.6	2.6	2.4	2.5	1.2	1.7	2.3	0.7	1.1	0.7	2.2	0.5	2.8	1.7
NIN	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1	1.1	0.5	0.7	1.0	0.3	0.5	0.3	1.0	0.2	1.2	0.7
HCM1	2.4	2.3	2.5	2.5	2.4	2.6	2.6	2.4	2.5	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.8	1.7
HCM2	2.5	2.3	2.5	2.6	2.4	2.6	2.6	2.5	2.5	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.8	1.7
HCM3	2.5	2.4	2.6	2.6	2.5	2.7	2.7	2.5	2.6	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.9	1.8
HCM4	2.4	2.2	2.4	2.5	2.3	2.5	2.5	2.4	2.4	1.1	1.6	2.2	0.7	1.1	0.6	2.1	0.4	2.7	1.7
HCM5	2.5	2.4	2.6	2.6	2.5	2.7	2.7	2.5	2.6	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.9	1.8
HCM6	2.4	2.3	2.4	2.5	2.3	2.5	2.5	2.4	2.4	1.1	1.6	2.2	0.7	1.1	0.6	2.1	0.4	2.7	1.7
HCM7	2.6	2.5	2.6	2.7	2.5	2.8	2.7	2.6	2.7	1.2	1.8	2.4	0.7	1.2	0.7	2.3	0.5	3.0	1.8
HCM8	2.6	2.5	2.7	2.7	2.6	2.8	2.8	2.6	2.7	1.3	1.8	2.4	0.7	1.2	0.7	2.4	0.5	3.0	1.9
HCM9	2.7	2.5	2.7	2.8	2.6	2.9	2.8	2.7	2.7	1.3	1.8	2.5	0.8	1.2	0.7	2.4	0.5	3.1	1.9
HCM10	2.4	2.3	2.5	2.5	2.4	2.6	2.6	2.4	2.5	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.4	2.8	1.7
HCM11	2.6	2.4	2.6	2.7	2.5	2.8	2.7	2.6	2.6	1.2	1.8	2.4	0.7	1.2	0.7	2.3	0.5	3.0	1.8
HCM12	2.6	2.5	2.7	2.7	2.5	2.8	2.8	2.6	2.7	1.3	1.8	2.4	0.7	1.2	0.7	2.4	0.5	3.0	1.8
HCM13	2.5	2.4	2.6	2.6	2.4	2.7	2.7	2.5	2.6	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.9	1.8
HCM14	2.5	2.4	2.5	2.6	2.4	2.7	2.6	2.5	2.6	1.2	1.7	2.3	0.7	1.1	0.6	2.2	0.5	2.9	1.8
BTN	2.0	1.9	2.0	2.1	1.9	2.1	2.1	2.0	2.0	1.0	1.4	1.9	0.6	0.9	0.5	1.8	0.4	2.3	1.4
DNI	1.6	1.5	1.6	1.6	1.5	1.7	1.7	1.6	1.6	0.7	1.1	1.4	0.4	0.7	0.4	1.4	0.3	1.8	1.1
BDG	1.0	1.0	1.0	1.1	1.0	1.1	1.1	1.0	1.0	0.5	0.7	0.9	0.3	0.5	0.3	0.9	0.2	1.2	0.7
BPC	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.1	0.5	0.8	1.0	0.3	0.5	0.3	1.0	0.2	1.3	0.8
TNH	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.2	0.5	0.8	1.0	0.3	0.5	0.3	1.0	0.2	1.3	0.8
VTU	1.8	1.7	1.9	1.9	1.8	2.0	1.9	1.8	1.9	0.9	1.2	1.7	0.5	0.8	0.5	1.7	0.3	2.1	1.3
LAN	1.3	1.2	1.3	1.3	1.2	1.4	1.4	1.3	1.3	0.6	0.9	1.2	0.4	0.6	0.3	1.2	0.2	1.5	0.9
TGG	1.3	1.2	1.3	1.3	1.2	1.4	1.4	1.3	1.3										

Appendix I-8-1 Traffic Matrix for 2010

(12/15)

AWG	TOG	YBI	SLA	LCU	HGG	HLY	TBH	HDX	HYN	HFG	QNI	HNM	NDH	NBI	THA	NAN	HTH	QBN	QTI
HNH	9.4	4.2	8.8	5.4	2.4	71.8	12.8	63.3	41.6	61.0	18.5	1.2	8.5	2.6	15.7	32.0	2.8	3.8	1.5
HN2	9.2	4.1	8.6	5.2	2.3	76.0	12.8	64.8	43.4	62.7	18.0	1.1	8.1	2.5	15.2	31.0	2.7	3.7	1.4
HN3	9.5	4.2	8.9	5.5	2.4	69.9	12.8	62.6	40.8	63.1	18.8	1.2	8.6	2.6	16.0	32.5	2.8	3.9	1.5
HN4	9.6	4.3	9.1	5.6	2.4	67.8	12.7	61.6	39.9	63.2	19.1	1.2	8.8	2.7	16.3	33.0	2.8	4.0	1.6
HN5	9.3	4.1	8.7	5.3	2.3	74.2	12.8	64.2	42.6	62.9	18.2	1.2	8.3	2.5	15.4	31.4	2.7	3.7	1.5
HN6	9.7	4.3	9.3	5.7	2.5	65.2	12.7	60.5	38.7	63.1	19.4	1.3	9.0	2.8	16.7	33.7	2.9	4.1	1.6
HN7	9.6	4.3	9.2	5.7	2.5	66.2	12.7	61.0	39.2	63.2	19.3	1.3	8.9	2.7	16.6	33.4	2.9	4.1	1.6
HN8	9.4	4.2	8.8	5.4	2.4	71.6	12.8	63.2	41.5	63.0	18.6	1.2	8.5	2.6	15.8	32.1	2.8	3.8	1.5
HN9	9.5	4.3	9.0	5.5	2.4	69.1	12.7	62.2	40.5	63.1	18.9	1.2	8.7	2.7	16.1	32.7	2.8	4.0	1.5
HBH	3.4	1.6	6.4	3.5	1.0	53.7	4.0	16.6	9.8	20.3	7.6	2.5	13.2	3.2	13.1	10.2	1.2	1.8	0.7
LCI	2.8	4.3	8.6	16.2	1.0	8.2	2.7	9.9	5.5	14.4	7.5	0.7	4.6	1.4	7.9	13.5	1.3	2.6	1.0
LSN	5.2	2.4	5.9	4.1	1.6	18.3	5.4	12.7	11.9	28.3	35.7	1.0	6.9	2.1	12.2	22.3	2.0	3.5	1.3
BNH	2.3	1.1	2.3	1.5	0.6	13.2	2.9	13.1	8.1	14.7	4.9	0.3	2.3	0.7	4.3	8.5	0.7	1.1	0.4
BGG	3.3	1.5	3.4	2.2	0.9	15.3	3.8	16.3	9.7	19.6	10.1	0.5	3.6	1.1	6.5	12.6	1.1	1.7	0.7
CBG	1.3	0.6	1.5	1.1	0.4	4.1	1.3	4.9	2.7	6.8	3.3	0.3	1.9	0.6	3.3	5.8	0.5	1.0	0.4
TNN	6.5	3.0	6.8	4.4	3.1	29.3	7.5	31.3	18.6	38.3	14.4	1.0	7.2	2.2	13.1	25.2	2.2	3.5	1.3
BCN	1.2	0.5	1.2	0.8	1.0	4.0	1.2	4.5	2.6	6.0	2.6	0.2	1.4	0.4	2.5	4.6	0.4	0.7	0.3
PTO	28.6	11.6	8.4	7.6	4.3	32.6	8.7	35.7	20.9	45.0	17.7	1.3	9.1	2.8	16.4	31.1	2.8	4.4	1.7
VPC	11.8	5.0	5.5	4.2	2.2	25.3	6.2	26.6	15.9	31.7	11.5	0.8	5.7	1.7	10.4	20.1	1.8	2.7	1.0
TOG	1046.4	1.7	4.2	2.9	3.9	12.8	3.8	14.7	8.4	19.9	8.9	0.7	4.9	1.5	8.7	15.7	1.4	2.5	0.9
YBI	1.7	487.4	2.2	2.8	0.5	5.8	1.7	6.7	3.8	9.1	4.2	0.3	2.3	0.7	4.1	7.4	0.7	1.2	0.5
SLA	4.2	2.2	1171.2	19.0	1.4	17.5	4.1	15.2	8.5	21.7	10.8	0.9	6.4	1.9	11.1	19.3	1.8	3.4	1.3
LCU	2.9	2.9	19.0	888.5	1.0	10.1	2.7	9.9	5.4	14.5	7.9	0.7	4.9	1.5	8.4	14.3	1.3	2.8	1.1
HGG	3.9	0.5	1.4	1.0	323.9	3.5	1.1	4.1	2.3	5.9	3.0	0.3	1.8	0.5	3.1	5.4	0.5	1.0	0.4
HLY	12.8	5.8	17.5	10.0	3.4	4532.4	15.8	70.2	43.1	79.6	27.0	10.6	52.4	12.1	47.8	42.0	3.6	6.0	2.3
TBH	3.6	1.7	4.1	2.7	1.1	15.7	1301.6	26.8	31.3	75.6	8.7	0.6	4.4	1.4	8.0	15.2	1.4	2.2	0.8
HDX	14.7	6.7	15.1	9.8	4.1	69.9	26.8	5095.8	41.0	339.4	50.8	2.2	15.8	4.8	28.9	55.9	4.9	7.5	2.9
HYN	8.3	3.8	8.4	5.4	2.3	42.8	31.3	44.0	2761.1	75.5	17.8	1.2	8.6	2.6	15.8	31.0	2.7	4.1	1.6
HFG	19.8	9.1	21.5	14.4	5.9	79.2	75.6	339.3	75.5	6145.2	45.7	3.4	23.8	7.2	42.8	80.4	7.2	11.7	4.5
QNI	8.9	4.2	10.8	7.9	3.0	27.0	8.7	51.1	17.9	46.0	2422.7	2.0	13.8	4.1	23.9	41.5	3.9	7.5	2.8
HNM	0.7	0.3	0.9	0.7	0.3	11.0	0.7	2.3	1.3	3.5	2.1	471.8	40.9	6.1	17.3	11.8	1.0	1.3	0.5
NDH	5.1	2.4	6.6	5.1	1.9	54.3	4.6	16.5	9.0	24.7	14.2	40.6	2738.7	84.9	159.3	90.5	7.4	9.0	3.5
NBI	1.5	0.7	2.0	1.5	0.6	12.8	1.4	5.1	2.8	7.6	4.3	6.2	85.9	1063.0	71.5	30.7	2.4	2.7	1.1
THA	8.9	4.2	11.4	8.6	3.2	49.2	8.3	29.8	16.4	44.2	24.6	17.1	158.1	70.1	4034.2	231.9	16.6	15.1	6.0
NAN	16.1	7.5	19.7	14.4	5.5	43.0	15.6	57.5	31.9	82.6	42.4	11.6	89.3	29.9	230.5	5588.0	74.5	24.8	10.2
HTH	1.5	0.7	1.9	1.4	0.5	3.7	1.4	5.1	2.8	7.5	4.0	1.0	7.4	2.4	16.6	75.1	762.8	14.7	2.6
QBN	2.5	1.2	3.5	2.9	1.0	6.2	2.2	7.7	4.2	12.0	7.6	1.3	8.9	2.6	15.0	24.9	14.6	1562.4	21.7
QTI	1.0	0.5	1.3	1.1	0.4	2.4	0.9	3.0	1.6	4.7	2.9	0.5	3.5	1.1	6.1	10.3	2.6	21.9	748.0
TIH	3.5	1.6	4.7	3.8	1.3	8.6	3.1	10.7	5.8	16.5	10.2	1.8	12.6	3.8	22.0	38.3	6.8	45.8	42.9
DNG	4.5	2.1	6.0	4.8	1.7	11.2	4.0	13.9	7.6	21.4	13.0	2.4	16.7	5.0	29.6	53.5	6.3	37.1	22.6
QNM	1.3	0.6	1.8	1.5	0.5	3.1	1.1	3.9	2.1	6.1	4.0	0.6	4.4	1.3	7.2	11.4	1.1	5.8	2.3
QNI	1.8	0.8	2.4	2.0	0.7	4.2	1.5	5.3	2.8	8.2	5.3	0.9	5.9	1.7	9.8	15.7	1.5	8.1	3.3
BDH	3.5	1.7	4.8	4.0	1.4	8.5	3.1	10.6	5.7	16.5	10.5	1.7	12.1	3.6	20.4	33.5	3.2	18.3	7.9
GLI	1.2	0.6	1.7	1.4	0.5	3.0	1.1	3.7	2.0	5.8	3.7	0.6	4.2	1.2	6.9	11.1	1.1	5.8	2.4
KIM	0.4	0.2	0.6	0.5	0.2	1.0	0.4	1.2	0.7	1.9	1.2	0.2	1.4	0.4	2.3	3.6	0.4	1.8	0.7
DLG	3.0	1.4	4.2	3.5	1.2	7.0	2.6	8.8	4.7	13.8	9.1	1.4	9.7	2.8	15.8	24.5	2.4	12.0	4.6
PYN	0.8	0.4	1.2	1.0	0.3	2.0	0.7	2.5	1.3	3.9	2.6	0.4	2.8	0.8	4.6	7.2	0.7	3.6	1.4
KIA	3.0	1.4	4.1	3.4	1.2	7.1	2.6	8.9	4.8	13.9	9.0	1.4	10.0	2.9	16.5	26.3	2.6	13.5	5.5
LDG	1.6	0.8	2.3	1.9	0.6	3.8	1.4	4.8	2.6	7.5	4.9	0.8	5.3	1.6	8.7	13.6	1.3	6.8	2.7
NIN	0.7	0.3	1.0	0.8	0.3	1.7	0.6	2.1	1.1	3.3	2.1	0.3	2.3	0.7	3.8	6.0	0.6	3.0	1.2
HCM1	1.6	0.8	2.2	1.9	0.6	3.8	1.4	4.8	2.6	7.5	4.9	0.6	4.2	1.2	6.8	10.4	1.0	5.0	1.9
HCM2	1.6	0.8	2.2	1.9	0.6	3.8	1.4	4.8	2.6	7.5	4.9	0.6	4.2	1.2	6.8	10.5	1.0	5.1	1.9
HCM3	1.7	0.8	2.3	1.9	0.7	4.0	1.4	5.0	2.7	7.7	5.0	0.6	4.3	1.3	7.0	10.8	1.1	5.2	2.0
HCM4	1.5	0.7	2.2	1.8	0.6	3.7	1.3	4.6	2.5	7.2	4.7	0.6	4.0	1.2	6.6	10.1	1.0	4.9	1.9
HCM5	1.7	0.8	2.3	1.9	0.7	3.9	1.4	4.9	2.7	7.7	5.0	0.6	4.3	1.3	7.0	10.8	1.1	5.2	2.0
HCM6	1.6	0.7	2.2	1.8	0.6	3.7	1.4	4.7	2.5	7.3	4.7	0.6	4.1	1.2	6.6	10.2	1.0	4.9	1.9
HCM7	1.7	0.8	2.4	2.0	0.7	4.0	1.5	5.1	2.7	7.9	5.2	0.6	4.4	1.3	7.2	11.0	1.1	5.3	2.0
HCM8	1.7	0.8	2.4	2.0	0.7	4.1	1.5	5.2	2.8	8.1	5.3	0.7	4.5	1.3	7.3	11.3	1.1	5.4	2.1
HCM9	1.8	0.8	2.5	2.0	0.7	4.2	1.5	5.2	2.8	8.2	5.4	0.7	4.6	1.3	7.4	11.4	1.1	5.5	2.1
HCM10	1.6	0.8	2.2	1.9	0.6	3.8	1.4	4.8	2.6	7.5	4.9	0.6	4.2	1.2	6.8	10.4	1.0	5.0	1.9
HCM11	1.7	0.8	2.4	2.0	0.7	4.0	1.5	5.0	2.7	7.9	5.1	0.6	4.4	1.3	7.1	11.0	1.1	5.3	2.0
HCM12	1.7	0.8	2.4	2.0	0.7	4.1	1.5	5.1	2.8	8.0	5.2	0.7	4.5	1.3	7.3	11.2	1.1	5.4	2.1
HCM13	1.7	0.8	2.3	1.9	0.7	3.9	1.4	4.9	2.7	7.7	5.0	0.6	4.3	1.3	7.0	10.8	1.1	5.2	2.0
HCM14	1.6	0.8	2.3	1.9	0.7	3.9	1.4	4.9	2.6	7.6	5.0	0.6	4.2	1.2	6.9	10.6	1.1	5.1	2.0
BTN	1.3	0.6	1.9	1.6	0.5	3.1	1.1	3.9	2.1	6.2	4.1	0.5	3.5	1.0	5.6	8.5	0.8	4.0	1.5
DNI	1.0	0.5	1.4	1.2	0.4	2.4	0.9	3.1	1.7	4.8	3.1	0.4	2.7	0.8	4.3	6.7	0.7	3.2	1.2
BDG	0.7	0.3	0.9	0.8	0.3	1.6	0.6	2.0	1.1	3.1	2.0	0.3	1.7	0.5	2.8	4.3	0.4	2.1	0.8
BPC	0.7	0.4	1.0	0.9	0.3	1.7	0.6	2.2	1.2	3.4	2.3	0.3	1.9	0.6	3.1	4.8	0.5	2.3	0.9
TNH	0.7	0.4	1.0	0.9	0.3	1.8	0.6	2.2	1.2	3.5	2.3	0.3	1.9	0.6	3.2	4.8	0.5	2.3	0.9
VIU	1.2	0.6	1.7	1.4	0.5	2.8	1.0	3.6	1.9	5.6	3.7	0.5	3.1	0.9	5.1	7.8	0.8	3.7	1.4
LAN	0.8	0.4	1.2	1.0	0.3	2.0	0.7	2.5	1.4	3.9	2.6	0.3	2.2	0.6	3.6	5.5	0.5	2.6	1.0
TGG	0.8	0.4	1.2	1.0	0.3	2.0	0.7	2.5	1.4	3.9	2.6	0.3	2.2						

Appendix I-8-1 Traffic Matrix for 2010

Abbr	UHI	DNG	OSNM	ONI	BDII	GLI	KTM	DLC	PYN	KHA	LDG	NTN	HCM1	HCM2	HCM3	HCM4	HCM5	HCM6	HCM7
HNI1	5.4	7.0	1.9	2.6	5.3	1.8	0.6	4.4	1.2	4.5	2.4	1.0	2.5	2.6	2.6	2.5	2.6	2.5	2.7
HNI2	5.1	6.7	1.8	2.5	5.1	1.8	0.6	4.2	1.2	4.3	2.3	1.0	2.4	2.4	2.5	2.3	2.5	2.4	2.6
HNI3	5.5	7.1	1.9	2.6	5.4	1.9	0.6	4.4	1.3	4.5	2.4	1.1	2.6	2.6	2.7	2.5	2.7	2.5	2.7
HNI4	5.6	7.3	2.0	2.7	5.5	1.9	0.6	4.6	1.3	4.7	2.5	1.1	2.7	2.7	2.7	2.6	2.7	2.6	2.8
HNI5	5.2	6.8	1.9	2.5	5.2	1.8	0.6	4.2	1.2	4.3	2.3	1.0	2.5	2.5	2.6	2.4	2.5	2.4	2.6
HNI6	5.7	7.5	2.0	2.8	5.7	2.0	0.6	4.7	1.3	4.8	2.6	1.1	2.7	2.7	2.8	2.6	2.8	2.7	2.9
HNI7	5.7	7.4	2.0	2.8	5.6	1.9	0.6	4.6	1.3	4.7	2.5	1.1	2.7	2.7	2.8	2.6	2.8	2.6	2.9
HNI8	5.4	7.0	1.9	2.6	5.3	1.8	0.6	4.4	1.2	4.5	2.4	1.0	2.6	2.6	2.6	2.5	2.6	2.5	2.7
HNI9	5.5	7.2	2.0	2.7	5.5	1.9	0.6	4.5	1.3	4.6	2.5	1.1	2.6	2.6	2.7	2.5	2.7	2.6	2.8
HBII	2.5	3.3	0.9	1.2	2.5	0.9	0.3	2.1	0.6	2.1	1.2	0.5	1.2	1.2	1.3	1.2	1.3	1.2	1.3
LCI	3.4	4.3	1.3	1.8	3.6	1.3	0.4	3.1	0.9	3.1	1.7	0.7	1.8	1.8	1.8	1.7	1.8	1.7	1.9
LSN	4.8	6.1	1.8	2.4	4.9	1.7	0.6	4.1	1.2	4.2	2.3	1.0	2.4	2.4	2.5	2.3	2.4	2.3	2.5
BNH	1.5	2.0	0.5	0.7	1.5	0.5	0.2	1.2	0.4	1.3	0.7	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.8
BGG	2.4	3.1	0.9	1.2	2.4	0.8	0.3	2.0	0.6	2.0	1.1	0.5	1.2	1.2	1.2	1.1	1.2	1.1	1.2
CRG	1.3	1.7	0.5	0.7	1.4	0.5	0.2	1.2	0.3	1.2	0.6	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
TNN	4.8	6.2	1.7	2.4	4.8	1.7	0.5	4.0	1.1	4.1	2.2	1.0	2.3	2.3	2.4	2.2	2.4	2.3	2.4
BCN	1.0	1.2	0.4	0.5	1.0	0.3	0.1	0.8	0.2	0.8	0.4	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
PTO	6.1	7.8	2.2	3.0	6.1	2.1	0.7	5.1	1.5	5.2	2.8	1.2	3.0	3.0	3.1	2.9	3.1	2.9	3.1
VPC	3.7	4.8	1.4	1.8	3.7	1.3	0.4	3.1	0.9	3.2	1.7	0.7	1.8	1.8	1.9	1.7	1.9	1.8	1.9
TQG	3.4	4.3	1.3	1.7	3.4	1.2	0.4	2.9	0.8	2.9	1.6	0.7	1.7	1.7	1.7	1.6	1.7	1.6	1.8
YBI	1.6	2.0	0.6	0.8	1.6	0.6	0.2	1.4	0.4	1.4	0.8	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8
SLA	4.6	5.8	1.8	2.4	4.8	1.7	0.6	4.2	1.2	4.1	2.3	1.0	2.4	2.4	2.4	2.3	2.4	2.3	2.5
LCU	3.7	4.7	1.5	2.0	3.9	1.4	0.5	3.5	1.0	3.4	1.9	0.8	2.0	2.0	2.0	1.9	2.0	1.9	2.1
HGG	1.3	1.7	0.5	0.7	1.4	0.5	0.2	1.2	0.3	1.2	0.6	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
HHY	8.4	10.9	3.0	4.1	8.4	2.9	0.9	6.9	2.0	7.1	3.8	1.7	4.0	4.0	4.2	3.9	4.1	3.9	4.2
TBI	3.0	3.8	1.1	1.5	3.0	1.0	0.3	2.5	0.7	2.6	1.4	0.6	1.5	1.5	1.5	1.4	1.5	1.4	1.5
HGG	10.4	13.4	3.8	5.1	10.4	3.6	1.2	8.7	2.5	8.8	4.7	2.1	5.0	5.0	5.2	4.9	5.2	4.9	5.3
HYN	5.6	7.3	2.0	2.8	5.6	2.0	0.6	4.7	1.3	4.7	2.6	1.1	2.7	2.7	2.8	2.6	2.8	2.6	2.9
HFG	16.0	20.6	5.9	8.0	16.2	5.6	1.9	13.6	3.9	13.7	7.4	3.2	7.9	7.9	8.1	7.6	8.1	7.7	8.3
QNH	10.0	12.6	3.9	5.2	10.4	3.7	1.2	9.1	2.5	9.0	4.9	2.1	5.2	5.2	5.3	5.0	5.3	5.0	5.4
HNM	1.8	2.4	0.6	0.9	1.8	0.6	0.2	1.5	0.4	1.5	0.8	0.4	0.7	0.7	0.7	0.6	0.7	0.7	0.7
NDH	12.7	16.7	4.4	6.0	12.4	4.2	1.4	9.9	2.9	10.3	5.5	2.4	4.6	4.6	4.7	4.4	4.7	4.4	4.8
NBH	3.9	5.1	1.3	1.8	3.7	1.3	0.4	3.0	0.9	3.1	1.6	0.7	1.4	1.4	1.4	1.3	1.4	1.3	1.4
TIA	22.0	29.4	7.2	9.9	20.7	7.0	2.3	16.1	4.7	16.9	8.9	3.9	7.4	7.4	7.6	7.1	7.6	7.2	7.8
NAN	38.1	53.0	11.3	15.6	33.8	11.1	3.6	24.8	7.3	26.8	13.9	6.2	11.3	11.3	11.6	10.9	11.6	11.0	11.9
HTH	6.8	6.3	1.1	1.5	3.3	1.1	0.4	2.5	0.7	2.6	1.4	0.6	1.1	1.1	1.2	1.1	1.2	1.1	1.2
QBN	45.6	36.8	5.8	8.1	18.5	5.8	1.8	12.2	3.7	13.8	6.9	3.1	5.5	5.5	5.6	5.3	5.6	5.3	5.7
QTH	43.2	22.7	2.3	3.3	8.0	2.4	0.8	4.8	1.5	5.7	2.7	1.3	2.1	2.1	2.2	2.0	2.2	2.1	2.2
TTH	2403.1	1353.3	8.5	12.3	31.1	8.9	2.8	16.9	5.3	20.8	9.9	4.5	7.5	7.5	7.7	7.2	7.6	7.3	7.8
DNG	135.8	3269.7	86.3	59.4	46.6	20.4	8.6	22.1	7.1	28.6	13.0	6.1	9.6	9.6	9.9	9.3	9.9	9.4	10.1
QNM	8.5	85.0	1387.2	60.0	28.3	6.9	3.1	11.5	3.8	15.7	6.9	3.3	4.9	4.9	5.1	4.8	5.1	4.8	5.2
QNI	12.2	58.9	59.7	1706.8	49.8	10.7	3.1	16.2	5.6	23.8	9.9	4.8	6.9	6.9	7.1	6.7	7.1	6.7	7.3
BDH	30.7	45.7	27.9	49.3	3343.4	40.5	10.2	59.2	53.8	79.6	25.5	13.6	15.8	15.8	16.2	15.3	16.2	15.4	16.5
GLI	8.8	20.1	6.8	10.6	40.6	1244.4	15.1	45.8	7.8	17.6	14.1	4.4	4.9	4.9	5.1	4.8	5.1	4.8	5.2
KTM	2.8	8.6	3.1	3.1	10.2	15.2	385.0	3.7	1.2	5.2	2.2	1.1	1.6	1.6	1.6	1.5	1.6	1.5	1.7
DLC	16.6	21.6	11.2	16.0	58.9	45.3	3.6	3060.8	14.2	65.2	105.1	23.9	16.2	16.2	16.6	15.6	16.5	15.8	17.0
PYN	5.2	7.0	3.7	5.5	53.5	7.7	1.2	14.2	1076.7	42.4	10.0	5.9	5.5	5.5	5.7	5.4	5.7	5.4	5.8
KHA	20.3	27.9	15.3	23.3	78.8	17.4	5.1	64.9	42.2	3586.1	53.4	43.0	23.5	23.5	24.0	22.8	24.0	23.0	24.5
LDG	9.6	12.7	6.7	9.7	25.3	13.9	2.2	104.8	9.9	53.4	1997.9	27.3	9.8	9.8	10.1	9.5	10.0	9.6	10.3
NTN	4.4	5.9	3.2	4.7	13.5	4.3	1.1	23.8	5.8	42.9	27.3	9.673	4.8	4.8	4.9	4.6	4.9	4.6	5.0
HCM1	6.9	8.8	4.5	6.4	14.8	4.6	1.5	15.2	5.2	22.2	9.3	4.5	3315.8	20.2	77.5	30.6	15.4	26.1	46.9
HCM2	6.9	8.9	4.6	6.4	14.8	4.6	1.5	15.2	5.2	22.2	9.3	4.5	20.0	3315.8	13.5	67.9	75.4	21.5	12.3
HCM3	7.1	9.1	4.7	6.6	15.2	4.7	1.5	15.6	5.4	22.8	9.5	4.6	77.6	13.6	3315.8	19.1	10.8	16.6	93.6
HCM4	6.6	8.5	4.4	6.2	14.3	4.4	1.4	14.7	5.0	21.5	9.0	4.4	30.3	67.8	18.9	3315.8	35.5	35.9	16.7
HCM5	7.1	9.1	4.7	6.6	15.2	4.7	1.5	15.6	5.3	22.7	9.5	4.6	15.3	75.4	10.7	35.6	3315.8	15.6	9.9
HCM6	6.7	8.6	4.4	6.2	14.4	4.5	1.4	14.8	5.1	21.7	9.0	4.4	25.9	21.5	16.5	36.0	15.7	3315.8	14.6
HCM7	7.2	9.3	4.8	6.7	15.5	4.8	1.5	16.0	5.5	23.1	9.7	4.7	47.1	12.5	91.1	16.9	10.1	14.8	3315.8
HCM8	7.4	9.5	4.9	6.9	15.8	4.9	1.6	16.3	5.5	23.5	9.9	4.8	12.6	43.0	9.2	27.9	83.1	12.3	8.8
HCM9	7.5	9.6	4.9	7.0	16.0	5.0	1.6	16.5	5.6	23.8	10.0	4.8	29.1	11.1	36.5	14.3	9.1	19.5	59.6
HCM10	6.9	8.8	4.5	6.4	14.7	4.6	1.5	15.2	5.2	22.1	9.2	4.5	19.8	16.5	13.2	25.2	12.5	86.5	14.4
HCM11	7.2	9.3	4.8	6.7	15.4	4.8	1.5	15.9	5.4	23.0	9.7	4.7	16.0	29.8	11.4	18.4	41.0	16.1	10.8
HCM12	7.3	9.4	4.8	6.8	15.7	4.9	1.6	16.1	5.5	23.4	9.8	4.8	21.6	12.3	24.4	16.4	10.0	25.0	33.9
HCM13	7.1	9.1	4.7	6.6	15.1	4.7	1.5	15.6	5.3	22.7	9.5	4.6	18.1	15.2	16.4	21.5	11.9	43.5	20.7
HCM14	7.0	9.0	4.6	6.5	15.0	4.7	1.5	15.4	5.3	22.5	9.4	4.6	24.0	20.1	16.5	29.2	29.4	25.1	15.2
BTN	5.4	6.8	3.4	4.8	10.4	3.4	1.1	11.0	3.5	13.9	20.8	13.7	23.1	23.1	23.4	22.6	23.3	22.7	23.6
DNH	4.4	5.6	2.9	4.0	9.2	2.9	0.9	9.5	3.2	13.7	8.4	4.4	96.9	95.9	90.0	104.5	90.4	103.0	85.8
BDG	2.8	3.6	1.9	2.6	6.0	1.9	0.6	6.2	2.1	8.9	3.8	1.8	65.2	64.5	60.4	70.6	60.6	69.5	57.5
BPC	3.0	3.8	1.9	2.7	5.8	1.9	0.6	6.1	1.9	7.6	3.6	1.7	12.3	12.3	12.4	12.0	12.4	12.1	12.6
TNI	3.1	3.9	2.0	2.8	6.2	2.0	0.6	6.5	2.1	8.6	3.9	1.8	20.4	20.4	20.5	20.3	20.4	20.3	20.5
VTU	4.9	6.4	3.3	4.6	9.9	3.2	1.1	10.7	3.6	14.6	6.4	2.9	33.1	33.1	33.2	32.8	33.1	32.9	33.2
LAN	3.5	4.5	2.3	3.2	7.3	2.3	0.7	7.6	2.6	10.6	4.6	2.2	39.7	39.5	38.9	40.3	38.9	40.2	38.4
TGG	3.5	4.5	2.3	3.2	7.1	2.3													

Appendix I-8-1 Traffic Matrix for 2010

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ABC	HCM5	HCM9	HCM10	HCM11	HCM12	HCM13	HCM14	BTN	DNI	BDG	BPC	INI	VIU	LAN	TGG	BTE	LVH	VLG	CTO
HNI1	27	28	25	27	27	26	26	20	16	10	11	11	19	13	13	16	0.7	1.1	23
HNI2	26	26	24	25	26	25	25	19	15	10	11	11	18	12	12	16	0.7	1.0	22
HNI3	28	28	26	27	28	27	26	20	16	11	12	12	19	13	13	17	0.7	1.1	23
HNI4	28	29	27	28	28	27	27	21	17	11	12	12	19	14	14	17	0.7	1.1	24
HNI5	27	27	25	26	26	25	25	19	15	10	11	11	18	13	13	16	0.7	1.1	22
HNI6	29	30	27	29	29	28	28	22	17	11	12	12	20	14	14	18	0.7	1.2	24
HNI7	29	30	27	28	29	28	28	21	17	11	12	12	20	14	14	17	0.7	1.1	24
HNI8	27	28	25	27	27	26	26	20	16	10	11	11	19	13	13	16	0.7	1.1	23
HNI9	28	29	26	27	28	27	27	21	16	11	12	12	19	13	13	17	0.7	1.1	23
HBH	13	13	12	13	13	13	12	10	0.8	0.5	0.5	0.6	0.9	0.6	0.6	0.8	0.3	0.5	1.1
LC1	19	19	18	19	19	18	18	14	11	0.7	0.8	0.8	1.3	0.9	0.9	1.2	0.5	0.8	1.6
LSN	26	26	24	25	25	24	24	19	15	10	11	11	17	12	12	15	0.7	1.0	22
BNI	0.8	0.8	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.3	0.3	0.3	0.5	0.4	0.4	0.5	0.2	0.3	0.6
BGG	1.2	1.3	1.1	1.2	1.2	1.2	1.2	0.9	0.7	0.5	0.5	0.5	0.8	0.6	0.6	0.7	0.3	0.5	1.0
CBG	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.2	0.3	0.6
TNN	2.5	2.5	2.3	2.4	2.5	2.4	2.4	1.8	1.4	0.9	1.0	1.0	1.7	1.2	1.2	1.5	0.6	1.0	2.1
BCN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.4
PTO	3.2	3.2	3.0	3.1	3.2	3.1	3.0	2.4	1.8	1.2	1.3	1.3	2.1	1.5	1.5	1.9	0.8	1.2	2.7
VPC	1.9	2.0	1.8	1.9	1.9	1.9	1.8	1.4	1.1	0.7	0.8	0.8	1.3	0.9	0.9	1.2	0.5	0.8	1.6
TQG	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.3	1.1	0.7	0.8	0.8	1.2	0.9	0.9	1.1	0.5	0.7	1.5
YBI	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.6	0.5	0.3	0.4	0.4	0.6	0.4	0.4	0.5	0.2	0.3	0.7
SLA	2.5	2.6	2.4	2.5	2.5	2.4	2.4	1.9	1.5	1.0	1.1	1.1	1.7	1.2	1.2	1.5	0.7	1.0	2.2
LCU	2.1	2.1	2.0	2.1	2.1	2.0	2.0	1.6	1.2	0.8	0.9	0.9	1.4	1.0	1.0	1.3	0.5	0.9	1.8
HGG	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.5	0.3	0.3	0.4	0.2	0.3	0.6
HTY	4.3	4.4	4.0	4.2	4.3	4.1	4.1	3.2	2.5	1.6	1.8	1.8	2.9	2.1	2.1	2.6	1.1	1.6	3.6
TRH	1.6	1.6	1.5	1.5	1.6	1.5	1.5	1.2	0.9	0.6	0.7	0.7	1.1	0.7	0.7	0.9	0.4	0.6	1.3
HDG	5.4	5.5	5.0	5.3	5.4	5.2	5.1	4.0	3.1	2.0	2.2	2.3	3.7	2.6	2.6	3.2	1.4	2.1	4.5
HYN	2.9	3.0	2.7	2.8	2.9	2.8	2.8	2.1	1.7	1.1	1.2	1.2	1.9	1.4	1.4	1.8	0.7	1.1	2.4
HFG	8.4	8.6	7.8	8.2	8.4	8.1	8.0	6.2	4.9	3.2	3.5	3.5	5.8	4.0	4.0	5.1	2.1	3.4	7.1
QNH	5.5	5.6	5.1	5.4	5.5	5.3	5.2	4.1	3.2	2.1	2.3	2.3	3.8	2.7	2.7	3.4	1.4	2.1	4.7
INM	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.5	0.3	0.3	0.4	0.2	0.3	0.6
NDH	4.9	5.0	4.5	4.8	4.9	4.7	4.6	3.7	2.8	1.9	2.1	2.1	3.3	2.3	2.4	3.0	1.3	2.0	4.2
NBH	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.6	0.6	0.6	1.0	0.7	0.7	0.9	0.4	0.6	1.2
THA	7.9	8.0	7.3	7.7	7.9	7.6	7.5	5.9	4.6	3.0	3.3	3.3	5.4	3.8	3.8	4.8	2.0	3.2	6.7
NAN	12.1	12.3	11.2	11.8	12.0	11.6	11.4	8.9	7.0	4.6	5.0	5.1	8.2	5.8	5.8	7.3	3.1	4.8	10.1
HTH	1.2	1.2	1.1	1.2	1.2	1.1	1.1	0.9	0.7	0.5	0.5	0.5	0.8	0.6	0.6	0.7	0.3	0.5	1.0
QBN	5.8	5.9	5.4	5.7	5.8	5.6	5.5	4.2	3.4	2.2	2.4	2.4	3.9	2.8	2.8	3.5	1.5	2.2	4.8
QHI	2.3	2.3	2.1	2.2	2.2	2.1	2.1	1.6	1.3	0.9	0.9	0.9	1.5	1.1	1.1	1.3	0.6	0.8	1.8
THH	8.0	8.1	7.4	7.8	7.9	7.7	7.6	5.6	4.6	3.0	3.2	3.3	5.2	3.8	3.7	4.7	2.0	3.1	6.4
DNG	10.3	10.4	9.6	10.0	10.2	9.9	9.7	7.2	5.9	3.9	4.0	4.2	6.8	4.8	4.8	6.0	2.5	3.9	8.1
QNM	5.3	5.3	4.9	5.1	5.2	5.1	5.0	3.6	3.0	2.0	2.1	2.1	3.5	2.5	2.4	3.1	1.3	1.9	4.1
QNI	7.4	7.5	6.9	7.2	7.3	7.1	7.0	5.0	4.2	2.8	2.8	2.9	4.8	3.4	3.4	4.3	1.7	2.7	5.7
BDH	16.8	17.0	15.7	16.4	16.7	16.2	16.0	10.7	9.6	6.3	6.0	6.5	10.3	7.7	7.5	9.4	3.8	6.0	12.2
GLI	5.3	5.3	4.9	5.1	5.2	5.1	5.0	3.5	3.0	2.0	2.0	2.1	3.3	2.4	2.4	3.0	1.2	1.9	4.0
KTM	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.1	1.0	0.6	0.6	0.7	1.1	0.8	0.8	1.0	0.4	0.6	1.3
DCU	17.2	17.4	16.1	16.8	17.1	16.6	16.4	11.3	9.9	6.5	6.4	6.7	11.2	8.0	7.8	9.8	4.0	6.3	12.9
PYN	5.9	5.9	5.5	5.7	5.8	5.7	5.6	3.6	3.4	2.2	2.0	2.2	3.7	2.7	2.6	3.2	1.3	2.0	4.1
KIA	24.7	25.1	23.4	24.3	24.6	24.0	23.8	14.2	14.1	9.2	7.9	8.9	15.0	11.0	10.4	13.1	5.2	8.0	16.2
TDG	10.4	10.6	9.8	10.2	10.4	10.1	9.9	7.3	6.7	3.9	3.7	4.0	6.6	4.8	4.6	5.8	2.4	3.4	7.5
NTN	5.0	5.1	4.7	4.9	5.0	4.9	4.8	3.4	3.0	1.9	1.7	1.9	3.0	2.3	2.2	2.8	1.1	1.6	3.5
HCM1	12.6	28.9	19.9	16.1	21.5	18.1	24.1	22.3	94.4	63.6	120	19.9	32.3	38.8	27.2	33.6	9.8	14.9	26.1
HCM2	42.8	10.9	16.5	29.7	32.2	15.1	20.0	22.3	93.7	63.1	120	19.9	32.3	38.7	27.2	33.6	9.8	14.9	26.1
HCM3	9.2	36.3	13.3	11.5	24.3	16.4	16.5	22.7	88.0	59.1	122	20.0	32.4	38.1	27.2	33.5	9.9	15.1	26.5
HCM4	27.7	14.1	25.1	18.3	16.2	21.3	29.1	21.8	101.8	68.9	117	19.7	32.0	39.4	27.2	33.5	9.6	14.7	25.5
HCM5	82.7	9.0	12.5	40.9	9.9	11.9	29.3	22.7	88.5	59.5	122	20.0	32.4	38.2	27.2	33.6	9.9	15.1	26.5
HCM6	12.2	19.3	86.4	16.0	24.7	43.2	25.1	21.9	100.3	67.8	118	19.7	32.1	39.3	27.2	33.5	9.7	14.7	25.6
HCM7	8.8	59.5	14.6	10.9	34.0	20.8	15.3	22.9	83.9	56.2	123	20.0	32.5	37.6	27.1	33.5	10.0	15.2	26.8
HCM8	3315.8	8.2	10.3	81.5	8.8	10.2	44.0	23.1	80.4	53.8	124	20.1	32.5	37.1	27.1	33.4	10.0	15.3	27.0
HCM9	8.3	3315.8	22.7	10.0	90.1	36.3	13.7	23.3	77.5	51.8	125	20.0	32.5	36.6	26.9	33.3	10.0	15.3	27.2
HCM10	10.2	22.4	3315.8	13.1	31.0	73.2	19.7	22.3	94.8	63.9	120	19.9	32.2	38.8	27.2	33.6	9.8	14.9	26.0
HCM11	81.2	9.9	13.1	3315.8	10.8	12.7	88.0	22.9	84.9	56.9	123	20.0	32.5	37.7	27.2	33.5	9.9	15.2	26.7
HCM12	8.9	89.8	31.3	10.9	3315.8	60.4	15.1	23.0	81.6	54.6	124	20.0	32.5	37.3	27.1	33.4	10.0	15.2	26.9
HCM13	10.2	36.1	73.7	12.8	60.2	3315.8	18.4	22.6	88.8	59.7	122	20.0	32.4	38.2	27.2	33.6	9.9	15.1	26.4
HCM14	43.9	11.6	19.7	88.1	15.0	18.3	3315.8	22.5	91.3	61.4	121	19.9	32.4	38.5	27.2	33.6	9.8	15.0	26.3
BTN	23.8	23.9	23.0	23.5	23.7	23.4	23.2	2080.5	17.4	8.7	5.9	7.3	12.7	9.6	8.8	11.0	4.1	5.4	12.3
DNI	82.0	79.1	97.1	86.6	83.3	90.9	93.5	17.3	5086.4	25.7	7.1	11.1	28.9	19.6	14.7	18.2	5.6	6.4	15.3
BDG	54.8	52.8	65.3	58.0	55.7	61.0	62.8	8.6	25.7	3435.1	16.3	6.5	11.8	12.9	9.7	12.0	3.7	5.6	10.0
BPC	12.7	12.8	12.2	12.5	12.6	12.4	12.4	5.9	7.1	16.3	1151.2	13.8	6.3	5.2	4.7	5.9	2.2	3.4	6.7
TNI	20.5	20.5	20.4	20.5	20.5	20.5	20.5	7.2	11.1	6.5	13.9	1546.5	8.4	7.5	6.5	8.1	2.9	4.4	8.3
VIU	33.1	33.1	33.0	33.1	33.2	33.2	33.1	12.6	29.0	11.8	6.3	8.4	2520.1	14.2	12.0	14.9	5.1	6.2	14.6
LAN	37.7	37.3	39.6	38.4	37.9	39.0	39.3	9.5	19.5	12.9	5.2	7.5	14.2	2743.7	47.6	11.9	3.9	14.4	21.9
TGG	27.5	27.4	27.8	27.6	27.5	27.8	27.8	8.7	14.7	9.7	4.7	6.5	11.9	47.5	47.5	10.9	6.6	22.5	29.7
BTE	34.1	34.0	34.4	34.2	34.1														

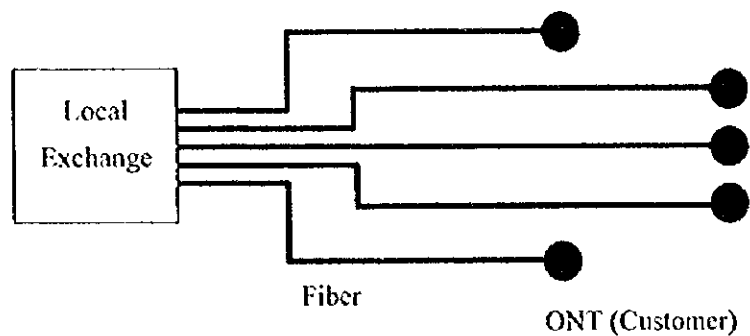
Appendix I-8-1 Traffic Matrix for 2010

(15/15)

Abbr	DYP	AGG	KGG	CMU	BLU	STG	GW-HNI	GW-DNG	GW-HCM	LE Total	GW Total	Total
HN1	13	48	42	14	15	16	19.8	132	330	3899.7	66.1	3965.7
HN2	13	46	40	13	15	16	19.8	132	330	3899.7	66.1	3965.7
HN3	14	49	43	14	16	17	19.8	132	330	3899.7	66.1	3965.7
HN4	14	51	44	15	16	17	19.8	132	330	3899.7	66.1	3965.7
HN5	13	47	41	14	15	16	19.8	132	330	3899.7	66.1	3965.7
HN6	14	52	45	15	17	18	19.8	132	330	3899.7	66.1	3965.7
HN7	14	52	45	15	16	18	19.8	132	330	3899.7	66.1	3965.7
HN8	13	48	42	14	15	16	19.8	132	330	3899.7	66.1	3965.7
HN9	14	50	43	15	16	17	19.8	132	330	3899.7	66.1	3965.7
HBH	0.6	2.4	2.1	0.7	0.7	0.8	10.8	7.2	18.0	1560.8	36.0	1596.8
LCI	1.0	3.5	3.1	1.0	1.1	1.2	7.7	5.2	12.9	1102.4	25.8	1128.2
LSN	1.3	4.6	4.0	1.3	1.5	1.6	12.6	8.4	21.0	1899.7	42.0	1941.7
BNH	0.4	1.4	1.2	0.4	0.4	0.5	8.5	5.6	14.1	1117.0	28.2	1145.2
BGG	0.6	2.2	1.9	0.6	0.7	0.7	10.7	7.1	17.9	1360.2	35.8	1395.9
CBG	0.4	1.3	1.2	0.4	0.4	0.4	3.8	2.5	6.3	477.0	12.7	489.6
TNN	1.2	4.5	3.9	1.3	1.4	1.5	16.7	11.1	27.9	2498.5	55.7	2554.2
BCN	0.2	0.9	0.8	0.3	0.3	0.3	3.1	2.1	5.2	411.9	10.3	422.2
PTO	1.6	5.7	5.0	1.7	1.8	1.9	21.4	14.3	35.7	3196.3	71.4	3267.7
VFC	0.9	3.5	3.0	1.0	1.1	1.2	16.3	10.8	27.1	2361.8	54.3	2416.0
TQG	0.9	3.3	2.9	1.0	1.0	1.1	9.7	6.4	16.1	1387.0	32.2	1419.2
YBI	0.4	1.6	1.4	0.5	0.5	0.5	5.1	3.4	8.5	646.7	16.9	663.6
SLA	1.3	4.6	4.1	1.4	1.5	1.6	10.9	7.3	18.3	1552.6	36.5	1589.1
LCU	1.1	3.9	3.4	1.1	1.2	1.3	8.1	5.4	13.5	1177.6	27.1	1204.7
HGG	0.4	1.3	1.2	0.4	0.4	0.4	3.5	2.3	5.8	429.8	11.6	441.5
HTY	2.1	7.7	6.7	2.2	2.4	2.6	40.0	26.6	66.6	6005.8	133.2	6139.0
TBH	0.8	2.8	2.4	0.8	0.9	1.0	13.5	9.0	22.5	1726.8	45.1	1771.9
HGG	2.6	9.6	8.4	2.8	3.1	3.3	41.7	27.8	69.5	6748.9	139.0	6887.9
HYN	1.4	5.2	4.5	1.5	1.7	1.8	23.4	15.6	39.0	3657.6	77.9	3735.5
HFG	4.1	15.2	13.2	4.4	4.8	5.1	48.0	32.0	80.1	8136.4	160.2	8296.6
QNH	2.8	10.1	8.9	3.0	3.2	3.4	20.2	13.5	31.7	3209.1	67.4	3276.4
HNM	0.4	1.3	1.2	0.4	0.4	0.4	5.1	3.4	8.5	626.2	16.9	643.1
NDH	2.4	9.0	7.9	2.6	2.8	3.0	25.4	16.9	42.4	3630.4	84.8	3715.2
NBH	0.7	2.7	2.3	0.8	0.8	0.9	10.2	6.8	17.0	1409.5	34.1	1443.5
HHA	3.9	14.3	12.6	4.2	4.6	4.8	39.0	26.0	65.0	5349.2	130.1	5479.2
NAN	5.9	21.6	18.8	6.3	6.9	7.3	49.0	32.7	81.7	7404.2	163.5	7567.7
HCH	0.6	2.2	1.9	0.6	0.7	0.7	8.2	5.5	13.7	1012.4	27.4	1039.7
QBN	2.8	10.2	8.8	3.0	3.2	3.5	13.8	9.2	22.9	2070.3	45.9	2116.1
QIT	1.1	3.8	3.3	1.1	1.2	1.3	7.0	4.7	11.7	991.7	23.5	1015.1
DTH	3.7	13.4	11.4	3.9	4.3	4.6	20.5	13.7	34.2	3183.6	68.4	3252.0
DNG	4.7	16.9	14.2	4.9	5.4	5.9	24.1	16.0	40.1	4327.6	80.2	4407.8
QNM	2.4	8.5	7.1	2.4	2.7	3.0	13.8	9.2	22.9	1839.8	45.9	1885.6
QNI	3.2	11.6	9.7	3.3	3.7	4.1	16.0	10.7	26.7	2262.7	53.4	2316.1
BDH	6.9	24.4	19.8	7.0	7.9	8.8	28.6	19.0	47.6	4429.3	95.3	4524.6
GLI	2.3	8.2	6.8	2.4	2.6	2.9	11.7	7.8	19.5	1649.6	39.1	1688.7
KTM	0.7	2.7	2.2	0.8	0.9	0.9	3.6	2.4	5.9	510.3	11.9	522.2
DLC	7.3	26.1	21.5	7.5	8.4	9.3	26.6	17.7	44.3	4055.3	88.6	4143.9
PVN	2.3	8.1	6.5	2.3	2.6	2.9	10.1	6.7	16.7	1427.3	33.5	1460.8
KHA	8.9	31.0	24.2	8.7	10.2	11.5	28.0	18.6	46.6	4748.0	93.2	4841.3
FDG	4.2	15.0	12.1	4.3	4.9	5.4	17.1	11.4	28.6	2646.9	57.2	2704.0
NFN	1.9	6.8	5.4	1.9	2.2	2.5	8.4	5.6	14.1	1281.6	28.2	1309.8
HCM1	11.9	37.7	24.3	9.9	13.4	17.4	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM2	11.9	37.8	24.4	9.9	13.4	17.4	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM3	12.2	38.6	24.9	10.2	13.7	17.7	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM4	11.6	36.7	23.5	9.6	13.0	17.0	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM5	12.2	38.5	24.9	10.1	13.7	17.7	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM6	11.7	36.9	23.7	9.7	13.1	17.1	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM7	12.3	39.2	25.4	10.3	13.9	17.9	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM8	12.5	39.7	25.8	10.5	14.0	18.1	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM9	12.6	40.1	26.1	10.6	14.2	18.2	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM10	11.9	37.7	24.2	9.9	13.4	17.3	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM11	12.3	39.0	25.3	10.3	13.8	17.8	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM12	12.4	39.5	25.7	10.4	14.0	18.0	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM13	12.1	38.5	24.9	10.1	13.6	17.6	23.1	15.4	38.6	4387.2	77.1	4464.4
HCM14	12.0	38.1	24.6	10.0	13.5	17.5	23.1	15.4	38.6	4387.2	77.1	4464.4
BTN	6.4	21.7	15.9	6.0	7.3	8.6	17.9	11.9	29.8	2756.3	59.5	2815.9
DNI	7.2	22.9	15.1	6.1	8.1	10.3	43.4	28.9	72.2	6738.2	144.5	6882.7
BDG	4.7	15.0	9.8	4.0	5.3	6.7	25.2	16.8	42.0	4546.4	84.0	4630.4
BPC	3.5	12.0	8.8	3.3	4.0	4.7	10.1	6.7	16.8	1525.3	33.6	1558.9
TNH	4.2	13.9	9.7	3.8	4.8	5.7	14.0	9.3	23.3	2049.6	46.7	2096.3
YTU	7.2	23.7	16.3	6.4	8.2	10.0	20.1	13.4	33.6	3337.1	67.1	3404.2
LAN	8.8	26.4	20.0	4.7	6.1	7.5	23.7	15.7	39.4	3635.0	78.8	3713.8
TGG	10.8	30.9	22.7	5.2	5.6	6.9	21.5	14.3	35.8	3037.0	71.6	3108.6
BTE	6.3	20.0	22.1	9.9	15.2	23.4	23.3	15.5	38.8	3454.8	77.6	3532.4
TVH	2.3	9.9	11.2	5.4	9.4	18.4	9.7	6.5	16.2	1306.2	32.4	1338.7
VIG	14.7	37.3	25.2	5.4	4.4	5.0	15.5	10.3	25.8	2242.0	51.7	2293.6
CTO	50.3	107.3	66.4	13.2	10.6	9.5	28.3	18.9	47.2	4156.5	94.4	4250.9
DIP	1992.4	151.7	64.8	10.6	8.0	6.9	18.8	12.5	31.4	2641.5	62.7	2704.2
AGG	152.4	616.2	447.1	52.2	36.3	30.5	50.0	33.3	83.3	8167.4	166.7	8334.1
KGG	64.9	445.7	494.2	77.9	45.4	35.9	39.0	26.0	64.9	6507.1	129.8	6636.9
CMU	10.6	52.0	77.9	1602.6	32.6	19.9	14.8	9.9	24.7	2124.3	49.3	2173.6
BLU	7.9	35.9	45.0	32.3	1774.0	50.3	15.2	10.2	25.4	2350.2	50.8	2401.0
STG	6.8	30.0	35.5	19.7	50.1	1968.0	18.1	12.1	30.2	2608.5	60.4	2669.0
GW-HNI	18.8	50.0	39.0	14.8	15.2	18.1	0.0	0.0	0.0	0.0	0.0	1612.7
GW-DNG	12.5	33.3	26.0	9.9	10.2	12.1	0.0	0.0	0.0	0.0	0.0	1075.4
GW-HCM	31.4	83.3	64.9	24.7	25.4	30.2	0.0	0.0	0.0	0.0	0.0	2688.1
LE Total	2635.5	8138.9	6494.7	2119.0	2347.0	2665.9	0.0	0.0	0.0	265220.7	0.0	0.0
GW Total	62.7	166.7	129.8	49.3	50.8	60.4	1612.7	1075.4	2688.1	0.0	10752.5	0.0
Total	2698.2	8305.5	6624.5	2168.3	2397.8	2666.3	1612.7	1075.4	2688.1	0.0	0.0	27597.1

Appendix I-9-1 Optical Access Network Topology

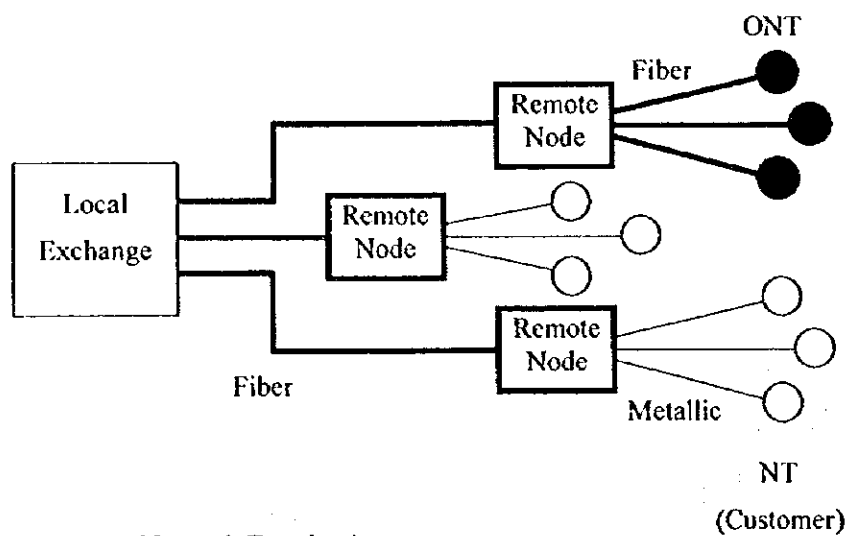
Figures 1 to 4 show configurations for several different architectures of the optical local access networks.



ONT : Optical Network Termination

Source : ITU-T L.15

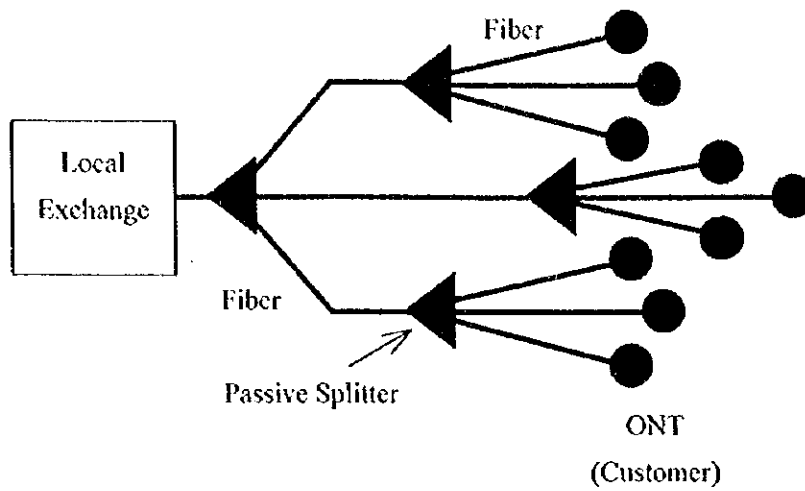
Figure 1 Point-to-point (Single Star)



NT : Network Termination

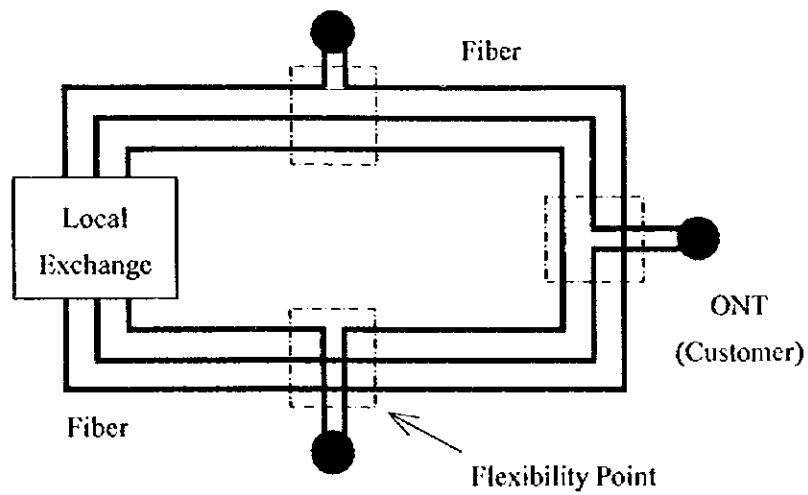
Source : ITU-T L.15

Figure 2 Multiple Star (Active Double Star)



Source : ITU-T L.15

Figure 3 Tree and Branch (Passive Double Star)



Source : ITU-T L.15

Figure 4 Ring

(a) Point-to-point

In this architecture of point-to-point (single star), at least one dedicated optical fiber is used between exchange and customer. As a network topology, this shows the simplest architecture.

The point-to-point architecture provides the following advantages and disadvantages;

- Large bandwidths,
- High data security,
- Simpler technology for opt-electronic devices,
- Longer maximum distance between exchange and customer,
- Higher network cost.

This network is appropriate to the FTTB in the local city area where has low demand of the broad-band/multimedia services.

(b) Multiple Star (Active Double Star)

In this network, the fiber is shared among several customers by using active electro-optic multiplexers. The high-multiplexed fiber between the exchange and a remote node shapes an active star configuration at the point of the remote node. The multiplexed or dedicated fibers are used from the remote node to the ONTs. At the distribution point of the active star, the high-multiplexed optical signal is shared for the customer's fibers through O/E and E/O conversions.

The active star components can reduce the amount of fibers required between the exchange and ONTs.

This is considered that ;

- Lower cost in sharing fiber,
- Restricted bandwidth for the customer,
- Necessary power supply for the active components.

The DLC (Digital Line Circuit) system consists of a central terminal and a remote terminal may be employed in this configuration and it provides FTTB or FTTCab.

(c) Tree and Branch (Passive Double Star)

Same as active double star, this network shares fiber among several customers and cope with grouping the site using Optical Power Splitters (OPS), but not use active components within the network. The use of OPS enables a complete wide-band optical link to be provided for FTTH or FTTC over a Passive Optical Network (PON) system.

This is considered that ;

- Lower cost than the active star, (not necessary for O/E and E/O conversions),
- Necessary action for data security,
- Complex optical network maintenance.

(d) Ring

This ring configuration with a combination of point-to-point (sometimes active double star) will produce a particular benefit for reliability and maintenance in the network. It should be employed for FTTB and/or FTTCab, especially in the urban commercial and/or business areas, where the high service reliability is required (see Figure 10.3.2-10).

The optical ring/loop architecture can enhance the followings ;

- Reliability of the network by alternative cable routing,
- Flexibility of the network for the demand fluctuation.

Appendix I-9-2 PON Specifications

In the PON system, the following specifications are recommended ;

- (a) System requirements
 - Topologies : FTTCab/FTTC, FTTB, FTTH
 - Service node interface : ITU-T I.361, G.708
 - Transmission mode : ATM orientated
- (b) Optical requirements
 - Fiber type : 1.3 μ m zero dispersion fiber (ITU-T G.652)
 - Optical path loss :
 - (Class A) 10~25 dB
 - (Class B) 15~30 dB
 - (future option) 20~35 dB
 - Maximum differential path loss : 15 dB
 - Maximum fiber distance : \geq 20 km
 - Maximum split ratio : 16, 32
- (c) Transmission requirements
 - Bi-directional transmission: 1-fiber WDM or 2-fiber
 - Point to multi transmission : TDMA in upstream,
TDM in downstream
 - Nominal line rate : 155/622, 155/155 Mbit/s (FTTCab/C/B/H)
25/155 Mbit/s (FTTH)
- (d) Drop requirements for FTTCab/FTTC and in some cases FTTB
 - Payload bitrates:
 - Asymmetric services : 2 Mbit/s upstream, 6.5, 13, and 26 Mbit/s downstream, for a reach of 1 - 1.5 km
 - Symmetric services : 13 and 26 Mbit/s, for 300-500 m

For the narrow-band services, the system has the following three options of the bi-directional transmission systems ;

- Space Division Multiplexing (SDM) with two fibers per customer, each one for up stream and down stream (simplex). The operating wavelength range shall be within the 1310 nm region.
- Time Compression Multiplexing (TCM) with one fiber bi-directional transmission per customer (half-duplex). The operating wavelength range shall be within the 1310 nm region.

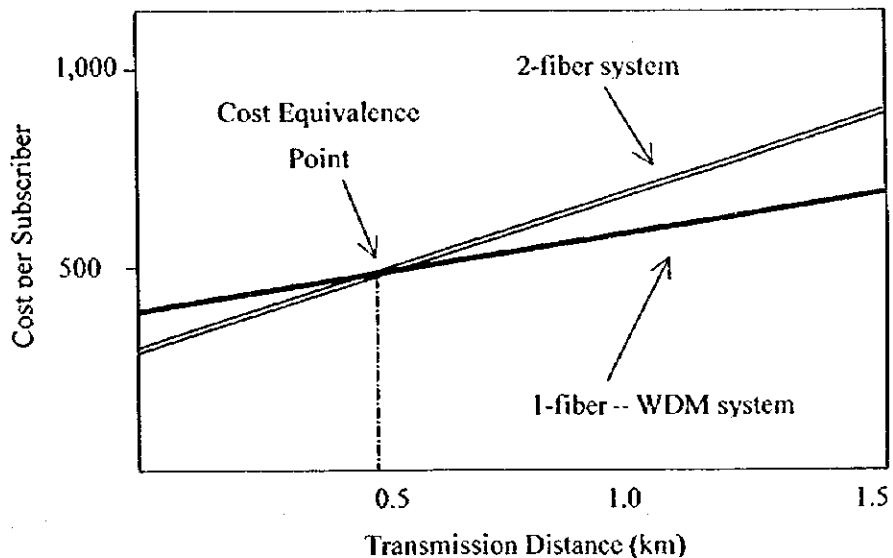
- One fiber and Wavelength Division Multiplex (WDM) system.
See Table 1.

Table 1 Transmission of narrow-band interactive services

Bidirectional transmission scheme	Number of fibres	Wavelength region	Transmission scheme implementation	Future implementations
Simplex	2	1310 nm upstream 1310 nm downstream	SDM	
Duplex	1	1310 nm upstream 1310 nm downstream	TCM	
Diplex	1	1310 nm upstream 1550 nm downstream	WDM	1310 + x nm upstream 1310 - x nm downstream

Source : ITU-T G.982

When aimed the broadband services, above two systems of the 2-fiber and 1-fiber-WDM will be employed. In order to select the system, their systems' costs are compared as shown in the Figure 1.



Note : Under conditions of ; Cable Cost = \$200 / km and Subscriber Numbers = 1,000
Source : FSAN

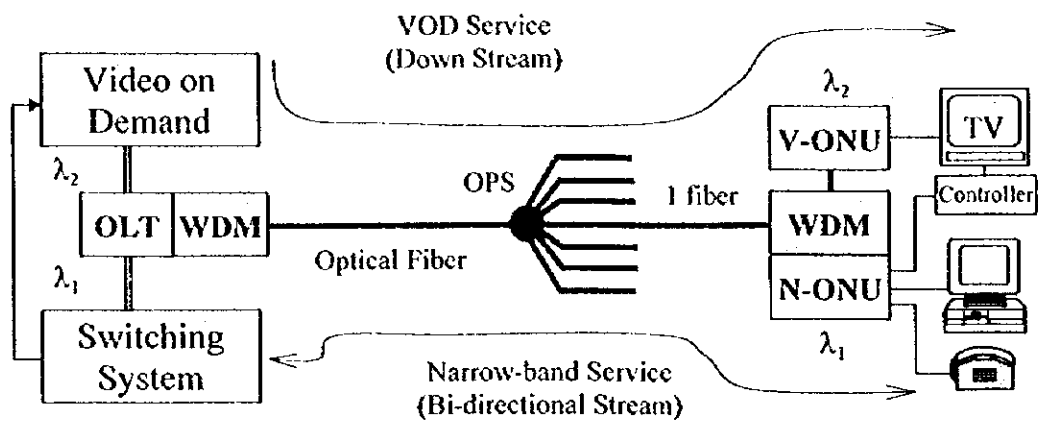
Figure 1 Cost Comparison Between 1-Fiber-WDM and 2-Fiber System

The cost-equivalence-distance, i.e. the transmission distance crossing point, which the 1-fiber-WDM system would become, cheaper, is around 500m for the 1,000-

customer case. By an order of magnitude for 100k customers, the cost-equivalence-distance becomes much smaller (approx. 60m). Therefore, 1-fiber-WDM bi-directional transmission gets more cost-effective under large scale deployment conditions.

When the multimedia services will be provided in the PON-FTTH architecture, the 1-fiber-WDM transmission system may be employed in order to reduce the fiber cores.

Figure 2 exemplifies the system configuration providing broad-band and narrow-band services. The high-speed downstream for VOD (Video on Demand) service and TCM bi-directional stream are multiplexed by WDM.



N-ONU : Narrow-band ONU V-ONU : Video ONU
WDM : Wavelength Division Multiplex
 λ_1 : 1.3 μm λ_2 : 1.55 μm

Figure 2 1-Fiber-WDM System Configuration for VOD Service

Appendix I-10-1 Circuit Matrix for 2005

(5/14)

SW Name	Total	TS HNI1	TS HNI2	TS HNI3	TS NAN	TS DNG	TS KHA	TS HCM	TS HCM2	TS HCM3	TS CTO	GW HNI	GW DNG	GW HCM	HNI1	HNI2	HNI3	HNI4	HNI5
Total	187,830	14,411	12,449	7,934	7,425	11,206	5,641	11,884	11,853	15,307	9,856	5,955	2,533	7,545	1,653	1,651	1,033	1,033	1,038
TS HNI1	14,389		118	448	219	417	209	377	377	391	359	360	158	450	993	991	977	993	978
TS HNI2	12,451	192		368	187	432	210	379	378	377	360	360	158	450	60	60	60	60	60
TS HNI3	7,936	452	382		206	283	150	257	257	256	249	240	105	315					
TS NAN	7,425	201	179	244		301	212	306	306	289	288	255	105	310					
TS DNG	11,204	423	438	287	299		213	506	521	455	439	270	120	345					
TS KHA	5,639	211	210	150	208	207		278	264	349	302	150	68	195					
TS HCM1	12,556	373	371	253	294	484	262		465	15	435	345	150	420					
TS HCM2	11,449	373	372	253	294	499	276	465		15	412	345	150	420					
TS HCM3	15,083	389	373	254	282	445	342	15	15		399	495	173	510					
TS CTO	9,854	361	360	240	282	431	298	435	428	381		345	150	435					
GW HNI	5,955	360	360	240	255	270	150	345	345	405	345								
GW DNG	2,533	158	158	105	105	120	68	150	150	173	150								
GW HCM	7,545	450	450	315	330	345	155	420	420	510	435								
HNI1	1,047	857	180																
HNI2	1,049	839	210																
HNI3	1,033	853	180																
HNI4	1,047	867	180																
HNI5	1,032	852	180																
HNI6	1,033	853	180																
HNI7	1,033	853	180																
HNI8	1,033	853	180																
HNI9	1,033	853	180																
LSN	510		510																
BNH	344		344																
BGG	419		419																
CBG	165		165																
TNN	687	150	537																
BCN	120		120																
CBH	524		524																
HOG	1,664	441	853	150															
HYN	855	240	615																
HFG	2,142	493	1,139	180	120														
QNH	886		886																
HBH	464			464															
LCT	345			345															
PTO	854	180		674															
VPC	629	150		479															
IQG	375			375															
YBI	210			210															
SLA	450			450															
CCU	315			315															
HGG	150			150															
HFY	1,704	543	281	730	150														
HNM	196			196															
NDH	1,058			1,058															
SBH	424			424															
IHA	1,544	150	150	1,064															
NAN	2,148	304	304	150	1,010	180													
HTH	317			317															
QBN	589				589														
QTH	302				302														
ITR	861				861														
DNG	1,104				1,104														
QSM	513				513														
QNI	634				634														
BDH	1,238				1,238														
GLI	498				498														
KTM	166				166														
PYN	437				437														
DLC	1,145				150	996													
KHA	1,299				180	849	120	150											
LDG	768					768													
NTN	376					376													
HCM1	1,212							889		321									
HCM2	1,213							890		321									
HCM3	1,215							894		321									
HCM4	1,197							871		326									
HCM5	1,214							743	150	321									
HCM6	1,211							706	180	325									
HCM7	1,217							898		319									
HCM8	1,209							150	763	296									
HCM9	1,210							120	795	295									
HCM10	1,214							150	740	324									
HCM11	1,218								897	321									
HCM12	1,218								899	319									
HCM13	1,216								894	322									
HCM14	1,215								892	323									
BTN	797									797									
DNI	1,891							570	510	811									
BDO	1,165							360	330	475									
BPC	419									419									
ITN	601									601									
VTU	586									586									
LAN	602									602									
TGG	614									614									
BTE	584									584									
TVH	389									389									
VLG	645									645									
CTO	1,219								150	150	180			739					
DTP	782													782					
AGG	2,189								240	275	210			1,134					
KGG	1,745								150	150	150			965					
CMU	616																		

Appendix I-10-1 Circuit Matrix for 2010

(10/14)

SWName	Total	TS IN1	TS IN2	TS IN3	TS NAN	TS DNG	TS BDI	TS KIA	TS HCM1	TS HCM2	TS HCM3	TS HCM4	TS CTO	GW IN1	GW DNG	GW HCM	INS1	INS2	INS3
Total	254,535	18,018	16,877	13,451	6,692	7,660	6,941	8,355	16,881	17,342	12,268	6,859	14,609	6,810	2,873	9,030	1,510	1,512	1,508
TS IN1	17,982	-	30	94	174	326	268	330	604	604	360	240	510	450	195	570	1,360	90	90
TS IN2	16,703	30	-	332	105	342	284	330	546	576	332	227	477	420	180	570	90	90	90
TS IN3	13,459	206	328	-	145	237	194	230	394	424	241	166	360	315	128	420	60	60	60
TS NAN	6,688	156	195	125	-	210	211	242	246	248	197	137	303	240	98	315	-	-	-
TS DNG	7,070	334	318	243	210	-	197	252	308	308	167	122	273	150	68	195	-	-	-
TS BDI	6,949	272	286	196	209	193	-	204	289	280	197	137	318	165	68	210	-	-	-
TS KIA	8,355	330	330	241	238	253	189	-	312	312	333	197	333	195	83	255	-	-	-
TS HCM1	17,076	596	534	355	204	292	260	285	-	44	30	296	114	390	165	510	-	-	-
TS HCM2	17,398	596	564	416	232	292	260	288	76	-	26	296	80	390	165	510	-	-	-
TS HCM3	11,912	360	328	239	193	163	193	327	30	34	-	361	462	285	120	375	-	-	-
TS HCM4	6,902	240	223	164	133	118	133	193	304	304	359	-	355	195	83	255	-	-	-
TS CTO	14,641	510	493	360	292	261	312	327	245	100	468	365	-	375	158	510	-	-	-
GW IN1	6,810	450	420	315	240	150	165	195	390	390	285	195	375	-	-	-	-	-	-
GW DNG	2,873	195	180	128	98	68	68	83	165	165	120	83	158	-	-	-	-	-	-
GW HCM	9,030	570	570	420	315	195	210	255	510	510	375	255	510	-	-	-	-	-	-
INS1	1,520	980	330	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS2	1,518	978	330	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS3	1,532	982	330	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS4	1,500	984	306	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS5	1,520	980	330	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS6	1,502	985	306	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS7	1,500	984	306	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS8	1,520	980	330	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INS9	1,478	982	306	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LSN	705	-	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BS21	434	-	434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BGG	524	-	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IBH	659	-	659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIDG	2,607	720	1,188	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDN	1,411	480	791	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HPC	3,122	720	1,478	399	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QNH	1,009	-	1,009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NDH	1,383	-	943	-	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEH	584	-	584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCI	421	-	421	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBG	195	-	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INX	999	324	150	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCN	180	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PTO	1,233	324	180	728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPC	881	180	-	701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QQG	525	-	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YBI	255	-	255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLA	571	-	571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LCU	451	-	451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HGG	180	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HTY	2,292	758	416	1,118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INM	257	-	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NBH	545	-	545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DHA	2,025	180	180	1,065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAN	2,844	426	457	283	1,074	120	-	-	120	120	-	-	-	-	-	-	-	-	-
HTH	392	-	392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QSN	785	-	785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QTH	378	-	378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PTH	1,164	-	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DNG	1,650	-	1,650	-	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-
QNM	725	-	725	-	-	-	725	-	-	-	-	-	-	-	-	-	-	-	-
QSI	846	-	846	-	-	-	846	-	-	-	-	-	-	-	-	-	-	-	-
BDH	1,692	-	1,692	-	-	-	1,184	268	120	120	-	-	-	-	-	-	-	-	-
GLI	619	-	619	-	-	-	619	-	-	-	-	-	-	-	-	-	-	-	-
KIM	196	-	196	-	-	-	196	-	-	-	-	-	-	-	-	-	-	-	-
DLC	1,508	-	1,508	-	-	-	-	1,268	120	120	-	-	-	-	-	-	-	-	-
PVN	542	-	542	-	-	-	-	542	-	-	-	-	-	-	-	-	-	-	-
KHA	1,765	-	1,765	-	-	-	150	1,135	180	180	-	-	120	-	-	-	-	-	-
LDG	1,009	-	1,009	-	-	-	-	1,009	-	-	-	-	-	-	-	-	-	-	-
NTN	496	-	496	-	-	-	-	496	-	-	-	-	-	-	-	-	-	-	-
HCM1	1,663	-	1,663	-	-	-	-	-	1,032	180	303	-	150	-	-	-	-	-	-
HCM2	1,663	-	1,663	-	-	-	-	-	1,032	180	303	-	150	-	-	-	-	-	-
HCM3	1,666	-	1,666	-	-	-	-	-	1,094	120	302	-	150	-	-	-	-	-	-
HCM4	1,685	-	1,685	-	-	-	-	-	1,024	180	332	-	150	-	-	-	-	-	-
HCM5	1,670	-	1,670	-	-	-	-	-	1,038	180	302	-	150	-	-	-	-	-	-
HCM6	1,678	-	1,678	-	-	-	-	-	920	304	304	-	150	-	-	-	-	-	-
HCM7	1,673	-	1,673	-	-	-	-	-	1,042	180	301	-	150	-	-	-	-	-	-
HCM8	1,663	-	1,663	-	-	-	-	-	180	1,020	273	-	180	-	-	-	-	-	-
HCM9	1,642	-	1,642	-	-	-	-	-	180	1,042	240	-	180	-	-	-	-	-	-
HCM10	1,655	-	1,655	-	-	-	-	-	180	1,022	303	-	150	-	-	-	-	-	-
HCM11	1,655	-	1,655	-	-	-	-	-	180	1,064	301	-	150	-	-	-	-	-	-
HCM12	1,689	-	1,689	-	-	-	-	-	180	1,028	301	-	180	-	-	-	-	-	-
HCM13	1,688	-	1,688	-	-	-	-	-	180	1,056	302	-	150	-	-	-	-	-	-
HCM14	1,663	-	1,663	-	-	-	-	-	180	1,030	303	-	150	-	-	-	-	-	-
BTN	850	-	850	-	-														

Appendix I-10-1 Circuit Matrix for 2010

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SWName	HCM1	HCM2	HCM3	HCM4	HCM5	HCM6	HCM7	HCM8	HCM9	HCM10	HCM11	HCM12	HCM13	HCM14	BTN	DNI	BDG	EPC	INH	VIU	LAN	TGG	BTE	IVH	VIG	CTO	DTP	AGG	AGG	CMU						
Total	1,692	1,687	1,697	1,688	1,705	1,725	1,701	1,732	1,692	1,190	2,420	1,725	586	880	1,345	1,438	1,141	1,319	511	881	1,505	1,002	2,979	2,421	793											
IS_HCN1																																				
IS_HCN2																																				
IS_HCN3																																				
IS_NAN																																				
IS_DNG																																				
IS_BDI																																				
IS_KHA																																				
IS_HCM1	1,540	1,538	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
IS_HCM2	56	60	1,550	1,538	1,538	1,576	1,552	1,584	1,550	60	6	4																								
IS_HCM3	26	29	27	30	27	29	29	28	27	10,000	2,414	1,721	586	780	1,241																					
IS_HCM4																																				
IS_CFO	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
GW_DNI																																				
GW_DNG																																				
GW_HCM																																				
DNI																																				
BDG																																				
EPC																																				
INH																																				
VIU																																				
LAN																																				
TGG																																				
BTE																																				
IVH																																				
VIG																																				
CTO																																				
DTP																																				
AGG																																				
AGG																																				
CMU																																				
BLU																																				
STG																																				

Appendix I-10-1 Circuit Matrix for 2010

(14/14)

SWName	GU	STG
Total	899	1,607
IS_JNI1		
IS_JNI2		
IS_JNI3		
IS_NAN		
IS_DNG		
IS_BDI1		
IS_KHA		
IS_HCM1		
IS_HCM3		60
IS_HCM2		
IS_HCM4		
IS_CIO	899	947
GW_JNI		
GW_DNG		
GW_HCM		
JNI1		
JNI2		
JNI3		
JNI4		
JNI5		
JNI6		
JNI7		
JNI8		
JNI9		
LSN		
BNH		
BGG		
TBH		
TDG		
JYN		
JPG		
QNH		
NBH		
HBH		
LCI		
CBG		
TNN		
BCN		
PTO		
VFC		
EQG		
YBI		
SLA		
LCU		
HGG		
HTY		
HNM		
NBH		
FHA		
NAN		
ITH		
QBN		
QTH		
ITH		
DNG		
QNM		
QNI		
BDI1		
GLI		
KTM		
DEC		
PYN		
KHA		
LDG		
STN		
HCM1		
HCM2		
HCM3		
HCM4		
HCM5		
HCM6		
HCM7		
HCM8		
HCM9		
HCM10		
HCM11		
HCM12		
HCM13		
HCM14		
BTN		
DNI		
BDG		
SPC		
INH		
VTU		
LAN		
IGG		
BTE		
TVH		
NIG		
CTO		
DTP		
AGG		
KGG		
CMU		
BEU		
STG		