

13-2 The Number of Circuits Between Exchanges in BMA in 1992 (20/20)

NO	Switch Unit Name	ABBR	118	119	120	121	122	123	124	125	Total
			TNBT	SWTA	LSTC	PNTC	LYTC	LSIT	PNIT	LYIT	
66	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	510
67	Bang Khae 1	BKE1	162	0	0	0	0	0	0	0	201
68	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	240
69	Nong Khaem 1	NGK1	0	0	0	0	30	0	0	0	810
70	Muban Settakit 1	MSK1	0	0	0	0	0	0	0	0	330
71	Dao khanong 1	DKN1	180	0	0	0	0	0	0	0	360
72	Dao khanong 2	DKN2	0	0	0	0	0	0	0	0	210
73	Phra Pradaeng 1	PPG1	90	0	0	0	0	0	0	0	120
74	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	450
75	Ekkachai 1	EKC1	0	0	0	0	30	0	0	0	840
76	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	210
77	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	570
78	Phahonyothin 1	PYT1	0	0	0	30	0	0	0	0	715
79	Phahonyothin 2	PYT2	0	0	0	0	0	0	0	0	255
80	Phahonyothin T2	PYTT2	90	90	0	90	0	0	60	0	3,420
81	Inthamara 1	ITM1	0	0	0	0	0	0	0	0	480
82	Inthamara 2	ITM2	0	0	0	30	0	0	0	0	840
83	Bang Khen 1	BGN1	0	0	0	0	0	0	0	0	420
84	Bang Khen 2	BGN2	0	0	30	0	0	0	0	0	1,050
85	Lat Phrao 1-1	LTP1-1	0	0	0	0	0	0	0	0	270
86	Lat Phrao 1-2	LTP1-2	0	0	30	0	0	0	0	0	900
87	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	120
88	Lat Phrao 2-1	LTP2-2	0	0	0	0	0	0	0	0	660
89	Don Muang 1	DNM1	0	0	0	0	0	0	0	0	240
90	Don Muang 2	DNM2	0	0	30	0	0	0	0	0	600
91	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	90
92	Rangsit 1	RST1	0	0	0	0	0	0	0	0	150
93	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	270
94	Bang Su 1	BGS1	0	0	0	0	0	0	0	0	390
95	Bang Su 2	BGS2	0	0	30	0	0	0	0	0	360
96	Ngam Wong Wan 1	NWW1	0	0	0	0	0	0	0	0	180
97	Ngam Wong Wan 2	NWW2	0	0	30	0	0	0	0	0	660
98	Nonthaburi 1	NTB1	0	0	0	0	0	0	0	0	150
99	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	330
100	Lak Si 1	LKS1	0	0	30	0	0	30	0	0	360
101	Lak Si T4	LKST4	60	90	210	0	0	60	0	0	10,410
102	Lak Si 2	LKS2	0	0	30	0	0	30	0	0	180
103	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	360
104	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	120
105	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	450
106	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	360
107	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	120
108	Chaeng Wathana 1	CWT1	0	0	0	0	0	0	0	0	480
109	Krung Kasem T(XB)	KKTA	60	60	30	0	0	30	0	0	1,674
110	Krung Kasem T1	KKT1	90	90	120	0	0	90	0	0	2,160
111	Phahonyothin T(XB)	PYTA	60	90	0	30	0	0	30	0	1,831
112	Phloen Chit T3	PLT3	60	90	0	0	150	0	0	120	7,680
113	Thon Buri T(XB)	TNBTA	0	120	0	0	60	0	0	30	1,996
114	Surawong T(XB)	SWTA	90	0	0	0	60	0	0	30	2,198
115	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	1,530
116	Phra Khanong TC	PNTC	0	0	0	0	0	0	0	0	1,110
117	Lat Ya TC	LYTC	0	0	0	0	0	0	0	0	1,440
118	Lak Si International	LSIT	0	0	0	0	0	0	0	0	240
119	Phra Khanong International	PNIT	0	0	0	0	0	0	0	0	240
120	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	450
	Total		1,883	2,160	810	720	1,110	270	240	570	110,034

















13-3 The Number of Circuits Between Exchanges in 1997 (8/20)

NO	Switch Unit Name	ABBR	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
			MSK1	DKN1	DKN2	PPG2	EKC1	BKC2	RBN1	PVT2	ITM1	ITM2	BGN1	BGN2	LTP1-2	LTP2-1	LTP2-2	DNM2	TYB1	
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Watthana 1	CWF1	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	0	0	0	0	0	0	0	90	0	30	0	0	60	0	0	30	0	0
83	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	0	90	30	30	0	0	60	0	30	30	0	0
84	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
85	Samran Rat 5	SRR5	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
86	Krung Kasem 4	KKM4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Samsen 3	SMS3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
88	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
89	Surawong 6	SRW6	0	0	0	30	30	0	30	90	0	30	0	0	60	0	0	30	0	0
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
93	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
95	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Khlong Toei 1	KT12	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0	0	0	0
99	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
100	Ramkamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
102	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Bang Na 4	BNA4	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
104	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Pu Chao Saming Phrai 3	PSP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Bang Phli 4	BPL4	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
108	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Lat Ya 2	LTY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
115	Bang Khao 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Nong Khaem 2	NGK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Setaikit 2	MSK2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Deo Khanong 3	DKN3	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	90	0	0	30	0	0	0	0	0	0	0	0	0	0	0
120	Ekachai 3	EKC3	0	30	0	0	240	60	60	30	0	0	0	0	0	0	0	0	0	0
121	Rai Burana 2	RBN2	0	0	0	0	30	0	90	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	0	0	0	0	0	150	0	30	0	0	60	0	0	0	0	0
123	Inthamara 3	ITM3	0	0	0	0	0	0	0	30	30	60	0	0	0	0	0	0	0	0
124	Bang Kheo 3	BGN3	0	0	0	0	0	0	0	30	0	0	30	30	0	0	0	0	0	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	30	0	0	0	0	0	60	0	0	0	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	30	30	0	0
127	Don Muang 3	DNM3	0	0	0	0	0	0	0	60	0	0	0	0	30	0	0	150	0	0
128	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
129	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Bang Su 3	BGS3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
132	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
133	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
134	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
135	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
136	Pak Kret 2	PKK2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
137	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Chaeng Watthana 2	CWT2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
140	Krung Kasem T1	KKT1	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	0	0	0	0	0	0	30	120	0	0	0	0	150	0	0	0	0
142	Phloen Chit T3	PLT3	0	30	0	0	0	0	0	90	30	0	0	0	0	0	0	0	0	0
143	Thon Buri T(XB)	TNBTA	0	180	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
144	Surawong T(XB)	SWTA	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
145	Krung Kasem TP	KKTP	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
147	Phloen Chit TP	PLTP	0	30	0	0	0	0	0	60	30	0	0	0	0	0	0	0	0	0
148	Lak Si TP	LSTP	0	30	0	0	0	0	0	120	60	30	0	0	0	30	0	0	0	0
149	Phra Khanong TP	PNTP	0	0	0	0	0	0	0	90	30	30	0	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	0	60	0	0	30	0	0	90	0	0	0	0	0	0	0	0	0	0
151	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	0	0	30	30	60	0	150	180	0	0
152	Phra Khanong TC	PNTC	0	0	0	0	0	0	0	30	150	30	60	0	0	0	0	0	0	0
153	Lat Ya TC	LYTC	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Phra Khanong International	PNIT	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
156	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		450	480	270	540	990	216	720	3,750	480	810	450	600	1,320	240	780	960	120	0

13-3 The Number of Circuits Between Exchanges in 1997 (9/20)

NO	Switch Unit Name	ABBR	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
			RST1	NWN1	BGS2	NWW2	NTB2	LKS14	LKS2	RIT1	RIT2	PKK1	PTT1	BAN1	CWT1	PNC4	ASD3	SKW2	SRR5
1	Phloen Chit 3	PNC3	0	0	0	0	0	180	0	0	0	0	0	0	0	390	180	30	60
2	Asok Din Daeng 2	ASD2	0	0	0	0	0	150	0	0	0	0	0	0	0	90	270	0	30
3	Sukhumvit 1	SKW1	0	0	0	0	0	150	0	0	0	0	0	0	0	150	90	60	30
4	Samran Rat 4	SRR4	0	0	0	0	0	150	0	0	0	0	0	0	0	150	90	0	150
5	Krung Kasem 3	KKM3	0	0	0	0	0	150	0	0	0	0	0	0	0	60	90	0	30
6	Sam Sen 2	SMS2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	60	0	0
7	Pathum Wan 2	PTW2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	60	0	0
8	Surawong 4	SRW4	0	0	0	0	0	150	0	0	0	0	0	0	0	240	150	30	60
9	Surawong 5	SRW5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
12	Phra Khanong 1	PKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Phra Khanong 2	PKG2	0	0	0	0	0	180	0	0	0	0	0	0	0	30	90	30	60
14	On Nut 1	ONT1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
15	Trok Chan 1	TKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Thung Mahamek 1	TMM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Khlong Toc 1	KTI1	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
23	Hua Mak 2	HAM2	0	0	0	0	0	90	0	0	0	0	0	0	0	60	60	0	0
24	Khlong Chan 2	KGC2	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30	0	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Ramkamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0
28	Lat Krabang 1	LKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Bang Na 1	BNA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Bang Na 2	BNA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Pu Chao Saming Pansri 2	PSP2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
36	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phli Bang Bo 1	BBH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lat Ya T8	LTYT8	0	0	0	0	0	150	0	0	0	0	0	0	0	30	90	0	60
41	Phasi Charoen 1	PSN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	0	0	0	0	0	150	0	0	0	0	0	0	0	30	60	0	30
44	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Bang Bue Thong 1	BBT1	0	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Charan Sanitwong 2	CSW2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
49	Bang Khae 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Nong Khaem 1	NKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Muban Setakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Dao Khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Ekkachai 1	EKC1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
57	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Rat Burana 1	RBN1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	0	0	0	0	150	0	0	0	0	0	0	0	60	60	0	30
60	Inthamara 1	ITM1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
61	Inthamara 2	ITM2	0	0	0	0	0	60	0	0	0	0	0	0	0	0	30	0	0
62	Bang Khen 1	BGN1	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0
63	Bang Khen 2	BGN2	0	0	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0
64	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	300	0	0	0	0	0	0	0	30	60	0	0
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	300	0	0	0	0	0	0	0	0	30	0	0
67	Don Muang 2	DNM2	0	0	0	0	0	300	0	0	0	0	0	0	0	30	30	0	0
68	Thanyaburi 1	TYB1	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
69	Rangsit 1	RST1	0	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	210	0	0	0	0	0	0	0	0	0	0	0
71	Bang Su 2	BGS2	0	0	0	0	0	180	0	0	0	0	0	0	0	0	30	0	0
72	Ngam Wong Wan 2	NWW2	0	0	0	0	0	270	0	0	0	0	0	0	0	30	30	0	0
73	Nonthaburi 2	NTB2	0	0	0	0	0	300	0	0	0	0	0	0	0	0	0	0	0
74	Lak Si T4	LKST4	150	240	510	660	330	0	60	300	60	390	210	120	450	60	90	0	60
75	Lak Si 2	LKS2	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
76	Ram Inthra 1	RIT1	0	0	0	0	0	210	0	0	30	0	0	0	0	0	0	0	0
77	Ram Inthra 2	RIT2	0	0	0	0	0	60	0	30	0	0	0	0	0	0	0	0	0
78	Pak Kret 1	PKK1	0	0	0	0	0	330	0	0	0	0	0	0	0	0	0	0	0
79	Pathum Thani 1	PTT1	0	0	0	0	0	210	0	0	0	0	0	0	0	0	0	0	0

13-3 The Number of Circuits Between Exchanges in 1997 (10/20)

NO	Switch Unit Name	ABBR	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
			RST1	NWN1	BOS2	NWW2	NTD2	LKS14	LKS2	RIT1	RIT2	PKK1	FTT1	BAN1	CWT1	PNC4	ASD3	SKW2	SRR5
80	Bang Phun 1	BAN1	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	330	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	0	0	0	30	0	180	0	0	0	0	0	0	0	0	210	60	60
83	Arek Din Daeng 3	ASD3	0	0	0	30	0	210	0	0	0	0	0	0	0	210	0	30	60
84	Sukhumvit 2	SKW2	0	0	0	0	0	60	0	0	0	0	0	0	0	90	60	0	0
85	Samsen Rat 5	SRR5	0	0	0	0	0	90	0	0	0	0	0	0	0	90	90	0	0
86	Krung Kasem 4	KKM4	0	0	0	0	0	150	0	0	0	0	0	0	0	60	90	0	60
87	Samsen 3	SMS3	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30	270	0
88	Pathum Wan 3	PTW3	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
89	Surawong 6	SRW6	0	0	0	0	0	210	0	0	0	0	0	0	0	420	240	60	150
90	Chaityaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0
93	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Thung Mahamek 3	TMM3	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
95	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Khlong Toei 1	KTI2	0	0	0	0	0	60	0	0	0	0	0	0	0	90	60	0	0
98	Hua Mak 3	HAM3	0	0	0	0	0	150	0	0	0	0	0	0	0	90	90	0	30
99	Khlong Chan 4	KGC4	0	0	0	0	0	150	0	0	0	0	0	0	0	30	60	0	0
100	Rainkarnhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	90	0	0	0	0	0	0	0	30	60	0	0
102	Lai Krabang 2	LKO2	0	0	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0
103	Bang Na 4	BNA4	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30	0	0
104	Samut Prakan 4	SPK4	0	0	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0
105	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Pu Chao Saming Phrai 3	PSP3	0	0	0	0	0	60	0	0	0	0	0	0	0	60	60	0	0
107	Bang Phli 4	BPL4	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30	0	0
108	Bang Phli Dang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Lai Ya 2	LY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	0	0	0	0	0	90	0	0	0	0	0	0	0	30	60	0	30
113	Bang Rue Thong 3	BBT3	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30	0	30
114	Charan Sanitwong 3	CSW3	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30	0	0
115	Bang Khao 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
117	Muban Sattakit 2	MSK2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
118	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	0	0	30	0	0	0	0	0	0	0	30	30	0	0
120	Ekkachai 3	EKC3	0	0	0	0	0	60	0	0	0	0	0	0	0	60	60	0	60
121	Rat Burana 2	RBN2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	30	30	0	180	0	0	0	0	0	0	0	150	150	0	30
123	Inthamara 3	ITM3	0	0	0	0	0	90	0	0	0	0	0	0	0	30	60	0	0
124	Bang Khen 3	BON3	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30	0	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
127	Don Muang 3	DNM3	30	0	0	0	0	210	0	0	0	0	0	0	0	60	90	0	0
128	Thanyaburi 2	TYB2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
129	Rangsit 2	RST2	30	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
130	Nawa Nakhon 2	NWN2	0	30	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0
131	Bang Su 3	BGS3	0	30	60	0	0	150	0	0	0	0	0	0	0	30	60	0	0
132	Ngam Wong Wan 3	NWW3	0	0	0	60	0	90	0	0	0	0	0	0	0	30	30	0	0
133	Nonthaburi 3	NTB3	0	0	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
134	Lak Si 3	LKS3	0	0	0	0	0	150	30	0	0	0	0	0	0	30	30	0	0
135	Ram Inthra 3	RIT3	0	0	0	0	0	150	0	60	30	0	0	0	0	30	30	0	0
136	Pak Kret 2	PKK2	0	0	0	0	0	90	0	0	0	90	30	0	0	0	30	0	0
137	Pathum Thani 2	PTT2	0	0	0	0	0	60	0	0	0	60	30	0	0	0	0	0	0
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
139	Chaeng Watthana 2	CWT2	0	0	0	0	0	150	0	0	0	0	0	0	60	30	30	0	0
140	Krung Kasem T1	KKT1	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
142	Phloen Chit T3	PLT3	0	0	0	0	0	60	0	0	0	0	0	0	0	90	30	0	30
143	Thon Buri T(XB)	TNBTA	0	0	0	0	0	60	0	0	0	0	0	0	0	0	30	0	0
144	Surawong T(XB)	SWTA	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
145	Krung Kasem TP	KKTP	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	480
146	Phahonyothin TP	PYTP	0	0	0	0	0	30	0	0	0	0	0	0	0	0	540	0	0
147	Phloen Chit TP	PLTP	0	0	0	0	0	90	0	0	0	0	0	0	0	750	0	450	30
148	Lak Si TP	LSTP	0	0	0	0	0	210	30	0	0	0	0	0	0	30	60	30	60
149	Phra Khanong TP	PNTP	0	0	0	0	0	150	0	0	0	0	0	0	0	30	60	30	30
150	Lat Ya TP	LYTP	0	0	0	0	0	150	0	0	0	0	0	0	0	30	60	30	60
151	Lak Si TC	LSTC	30	0	0	60	30	270	30	0	0	30	0	0	30	0	0	0	300
152	Phra Khanong TC	PNTC	0	0	0	0	0	60	0	0	0	0	0	0	0	0	420	0	0
153	Lat Ya TC	LYTC	0	0	0	0	0	0	0	0	0	0	0	0	0	600	0	60	0
154	Lak Si International	LSIT	0	0	0	0	0	90	30	0	0	0	0	0	0	0	0	0	60
155	Phra Khanong International	PNIT	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30	0	0
156	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	0	0	270	0	30	0
	Total		240	300	630	870	450	11,580	180	390	120	570	270	150	540	5,400	4,860	1,260	2,220

13-3 The Number of Circuits Between Exchanges in 1997 (11/20)

NO	Switch Unit Name	ABBR	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	
			KKM4	SMS3	PIW3	SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3	TNT3	KTI2	HAM3	KGC4	RKN2	BGC2	LKG2	
1	Phloen Chit 3	PNC3	30	30	30	390	0	0	0	0	0	0	0	0	30	150	60	0	30	0
2	Asok Din Daeng 2	ASD2	30	30	0	150	0	0	0	0	0	30	0	0	30	30	30	0	0	0
3	Sukhumvit 1	SKW1	0	0	0	180	0	0	0	0	0	0	0	0	30	60	30	0	0	0
4	Samran Rat 4	SRR4	30	60	30	240	0	0	0	0	0	0	30	30	30	0	0	0	0	0
5	Krung Kasern 3	KKM3	60	30	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Samsen 2	SMS2	0	60	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	0	30	120	0	0	0	0	0	0	0	0	0	30	0	0	0	0
8	Surawong 4	SRW4	30	0	30	570	0	0	0	0	0	0	0	0	60	210	30	0	30	0
9	Surawong 5	SRW5	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	30	30	0	0	0	0	30	0	0	30	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	0	0	30	30	0	0	0	0	30	0	0	30	0	0	0	0	0
12	Pura Khanong 1	PKO1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
13	Pura Khanong 2	PKG2	30	60	30	60	0	60	30	0	60	0	0	60	90	60	0	60	30	0
14	On Nut 1	ONT1	0	0	0	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
15	Trok Chan 1	TKC1	0	0	0	30	0	0	0	30	0	0	0	0	0	0	0	0	0	0
16	Trok Chan 2	TKC2	0	0	0	30	0	0	0	30	0	0	0	0	0	0	0	0	0	0
17	Thung Mahamek 1	TMM1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
19	Sathupradit 2	STD2	0	0	0	60	0	0	0	0	0	30	0	0	0	0	0	0	0	0
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
21	Thanon Tok 2	TNT2	0	0	0	30	0	0	0	0	0	0	30	0	0	0	0	0	0	0
22	Khlong Toei 1	KTI1	0	0	0	60	0	0	0	0	0	0	0	60	0	0	0	0	0	0
23	Hua Mak 2	HAM2	0	0	0	90	0	0	0	0	60	0	0	30	120	30	0	30	0	0
24	Khlong Chan 2	KGC2	0	0	0	30	0	0	0	0	30	0	0	0	0	90	0	30	0	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
26	Ramkhamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0
28	Lat Krabang 1	LKO1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
29	Bang Na 1	BNA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Bang Na 2	BNA2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pu 1	BGUI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Pu Chao Saming Phrai 2	PSP2	0	0	0	60	0	0	0	0	30	0	0	0	30	0	0	0	0	0
36	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phli Bang Ho 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNB1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lat Ya T8	LYY8	30	30	0	90	0	0	0	0	0	0	0	0	30	30	0	0	0	0
41	Phasi Charoen 1	FSN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Phasi Charoen 2	FSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	0	30	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Bang Phlat 3	BOT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Bang Khae 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Nong Khaen 1	NGK1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Dao Khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Phra Pradaeng 2	PPG2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Ekkachai 1	EKC1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Rat Burana 1	RBN1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	30	0	60	0	0	0	0	60	0	0	30	0	30	0	0	0	0
60	Inthamara 1	ITM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Bang Khen 1	BKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Bang Khen 2	BKN2	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
64	Lat Phrao 1-2	LTP1-2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Don Muang 2	DNM2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Ngam Wong Wan 2	NWW2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Nontiburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Lak Si T4	LKST4	30	60	30	90	0	0	30	0	0	0	0	0	30	30	60	0	60	0
75	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## 13-3 The Number of Circuits Between Exchanges in 1997 (12/20)

NO	Switch Unit Name	ABBR	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102
			KKM4	SMS3	PTW3	SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3	TNT3	KIT2	HAM3	KG4	RKN2	BGC2	LKG2
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	30	30	30	540	0	0	0	0	30	30	0	60	240	60	0	30	30
83	Asok Din Daeng 3	ASD3	30	60	30	240	0	0	0	0	0	0	0	30	90	60	0	30	0
84	Sukhumvit 2	SKW2	0	0	0	90	0	0	0	0	0	0	0	30	30	0	0	0	0
85	Samran Rat 5	SRR5	0	30	0	180	0	0	0	0	0	0	30	0	0	0	0	0	0
86	Krung Kasem 4	KKM4	0	30	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Pathum Wan 3	PTW3	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Surawong 6	SRW6	30	30	150	0	0	0	0	0	30	30	30	120	450	60	0	60	0
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKG3	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Troak Chan 3	TKC3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Thung Mahamek 3	TMM3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sathupradit 3	STD3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thanon Tok 3	TNT3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Khlong Toei 1	KIT2	0	0	0	150	0	0	0	0	0	0	0	0	30	0	0	0	0
98	Hua Mek 3	HAM3	0	0	0	120	0	0	0	0	90	0	0	60	0	60	0	30	0
99	Khlong Chan 4	KG4	0	0	0	60	0	0	0	0	60	0	0	0	30	0	0	60	0
100	Ramkhamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	60	0	0	0	0	0	0	0	0	30	60	0	0	0
102	Lat Krabang 2	LKG2	0	0	0	30	0	0	60	0	0	0	0	0	0	0	0	0	0
103	Bang Na 4	BNA4	0	0	0	90	0	0	0	0	60	0	0	30	0	0	0	0	0
104	Samut Prakan 4	SPK4	0	0	0	30	0	0	0	0	30	0	0	0	0	0	0	0	0
105	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Pu Chao Saming Phrai 3	PSP3	0	0	0	150	0	0	0	0	60	0	0	60	0	0	0	0	0
107	Bang Phli 4	BPL4	0	0	0	60	0	0	0	0	60	0	0	30	30	30	0	30	0
108	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Lat Ya 2	LY2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Nong Khaem 2	NGK2	270	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Setaikit 2	MSK2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Dao Khanong 3	DKN3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	0	0	120	0	0	0	0	0	0	0	30	0	0	0	0	0
121	Rat Burana 2	RBN2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	30	30	0	180	0	0	0	90	0	0	60	30	30	0	30	0	0
123	Inthamara 3	ITM3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
124	Bang Khen 3	BGN3	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Don Muang 3	DNM3	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0
128	Thanyaburi 2	TYB2	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Nawa Nakhon 2	NWN2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Bang Su 3	BGS3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Ngam Wong Wan 3	NWW3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
134	Lak Si 3	LKS3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Ram Inthra 3	RIT3	0	0	0	30	0	0	0	0	0	0	0	0	30	0	30	0	0
136	Pak Kret 2	PKK2	0	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Pathum Thani 2	PIT2	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Chaeng Watthana 2	CWT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Krung Kasem TP	KKTP	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin I(XB)	PYTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Phloen Chit T3	PLT3	0	30	30	30	0	0	0	0	30	30	0	30	30	0	0	0	30
143	Thon Buri I(XB)	TNBTA	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Surawong I(XB)	SWTA	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Krung Kasem TP	KKTP	510	450	420	0	0	0	180	0	0	0	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Phloen Chit TP	PLTP	30	0	0	570	0	0	0	0	390	180	330	480	0	0	0	0	0
148	Lak Si TP	LSTP	30	60	30	30	0	0	0	0	0	0	30	60	90	90	0	630	30
149	Phra Khanong TP	PNTTP	30	30	30	0	270	330	300	0	60	0	0	30	540	570	150	30	360
150	Lat Ya TP	LYTP	30	30	30	0	0	0	0	0	0	0	30	0	60	60	0	0	0
151	Lak Si TC	LSTC	180	150	150	0	0	0	30	0	0	0	0	0	0	0	0	60	0
152	Phra Khanong TC	PNTC	0	0	0	0	30	90	90	0	0	0	0	0	210	120	0	0	60
153	Lat Ya TC	LYTC	0	0	0	870	0	0	0	0	30	30	30	150	0	0	0	0	0
154	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Phra Khanong International	PNIT	0	0	0	0	0	30	0	0	0	0	0	0	30	0	0	0	0
156	Lat Ya International	LYIT	0	0	0	660	0	0	0	0	0	0	0	30	0	0	0	0	0
	<b>Total</b>		<b>1,680</b>	<b>1,410</b>	<b>1,080</b>	<b>8,430</b>	<b>360</b>	<b>540</b>	<b>780</b>	<b>270</b>	<b>1,440</b>	<b>360</b>	<b>540</b>	<b>1,800</b>	<b>2,730</b>	<b>1,740</b>	<b>180</b>	<b>1,380</b>	<b>570</b>

13-3 The Number of Circuits Between Exchanges in 1997 (13/20)

NO	Switch Unit Name	ABBR	103 BNA4	104 SPK4	105 BQU2	106 PSP3	107 BPL4	108 BBU2	109 TNB2	110 LTY2	111 PSN3	112 BGT4	113 BBT3	114 CSW3	115 BKB3	116 NGK2	117 MSK2	118 DKN3	119 PPG3
1	Phloen Chit 3	PNC3	60	0	0	60	0	0	0	0	0	0	30	30	0	30	30	0	0
2	Asok Din Daeng 2	ASD2	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
3	Sukhumvit 1	SKW1	30	30	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0
4	Sanam Rat 4	SRR4	0	30	0	0	30	0	0	0	0	30	30	30	0	0	0	0	0
5	Krung Kasem 3	KKM3	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	0	0
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Patum Wan 2	PTW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	30	0	0	30	30	0	0	0	0	30	0	0	0	30	30	0	30
9	Surawong 5	SRW5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Pra Khanong 1	PKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Pra Khanong 2	PKG2	90	60	30	150	150	30	0	0	0	30	30	0	0	0	0	0	0
14	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Trok Chan 1	TKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Thung Mahamek 1	TMM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Sahuradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Khlong Toei 1	KTI1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Hua Mak 2	HAM2	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
24	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Ramkhamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Bang Na 1	BNA1	60	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Bang Na 2	BNA2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Na 3	BNA3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Samut Prakan 2	SPK2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Samut Prakan 3	SPK3	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pu 1	BGU1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Pu Chao Saming Phrai 2	PSP2	30	0	0	120	30	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phli 1	BPL1	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phli 2	BPL2	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phli Bang Bo 1	BBB1	0	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNB1	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
40	Lat Ya T8	LYT8	30	0	0	60	30	0	60	90	0	30	30	30	30	60	60	60	60
41	Phasi Charoen 1	PSN1	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
42	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	0	120	90	30	0	30	30	0	0	0
44	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
45	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
48	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0
49	Bang Khae 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
50	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
51	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	60	30	0	0	0
52	Muban Setakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	60	60	0	0	0
53	Dao Khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
54	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
55	Pra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
56	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
57	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Inthamara 1	ITM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Bang Khen 1	BGN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Don Muang 2	DNM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Lak Si Y4	LKSY4	30	0	0	30	30	0	0	0	0	30	30	30	0	30	30	0	0
75	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Padum Thani 1	PPT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

13-3 The Number of Circuits Between Exchanges in 1997 (14/20)

NO	Switch Unit Name	ABBR	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
			BNA4	SPK4	ROU2	PSP3	BPL4	BBB2	TNB2	LTY2	PSN3	BOT4	BBT3	CSW3	BKE3	NOK2	MSK2	DKN3	PPG3
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	60	0	0	90	60	0	0	30	0	60	60	0	0	60	30	0	0
83	Arok Din Daeng 3	ASD3	30	0	0	30	30	0	0	0	0	60	30	30	0	30	30	0	0
84	Sukhumvit 2	SKW2	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
85	Samrao Ret 5	SRR5	0	30	0	0	0	0	0	0	0	30	0	0	0	60	60	0	0
86	Krung Kasem 4	KKM4	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	0	0
87	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Surawong 6	SRW6	60	60	0	90	60	0	30	30	0	60	30	30	0	90	60	30	60
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Khlong Toei 1	KT12	30	30	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	30	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0
99	Khlong Chan 4	KGC4	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
100	Ramkhamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
102	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Bang Na 4	BNA4	0	0	0	60	60	0	0	0	0	0	0	0	0	0	0	0	0
104	Samut Prakan 4	SPK4	0	0	30	60	30	0	0	0	0	0	0	0	0	0	0	0	0
105	Bang Pu 2	BGU2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Pu Chao Saming Phrai 3	PSB3	30	30	0	0	90	0	0	0	0	0	0	0	0	0	0	0	30
107	Bang Phli 4	BPL4	60	30	0	60	0	60	0	0	0	0	0	0	0	0	0	0	0
108	Bang Phli Bang Bo 2	BBB2	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0
109	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Lat Ya 2	LTY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	30	0	0	0	0	0	0	0	0	90	0	0	0	30	30	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	90	0	0	0	0	30	30	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0
117	Muban Senuakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0	0	0
118	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	30	Phra Pradaeng 3	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	0	0	30	0	0	30	30	0	0	0	0	0	90	60	60	30
121	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
122	Phahonyothin 4	PYT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Don Muang 3	DNM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Pak Kret 2	PKK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Chaeng Watthana 2	CWT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Krung Kasem T1	KKT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Phloen Chit T3	PLT3	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Thon Buri T(XB)	TNBTA	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
144	Surawong T(XB)	SWTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Krung Kasem TP	KKTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Phloen Chit TP	PLTP	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30
148	Lak Si TP	LSTP	60	30	0	90	60	0	0	0	0	60	570	30	0	30	30	0	0
149	Phra Khanong TP	PNTP	570	360	180	540	570	240	0	0	0	0	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	60	30	0	60	60	0	420	390	210	570	0	480	330	660	600	360	450
151	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0
152	Phra Khanong TC	PNTC	150	90	30	240	240	30	0	0	0	0	0	0	0	0	0	0	0
153	Lat Ya TC	LYTC	0	0	0	0	0	0	30	60	30	180	0	60	30	60	60	30	90
154	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Phra Khanong International	PNIIT	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Lat Ya International	LYIT	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
	Total		1,620	960	300	1,950	2,070	390	630	660	300	1,530	1,290	870	450	1,710	1,440	600	930

13-3 The Number of Circuits Between Exchanges in 1997 (15/20)

NO	Switch Unit Name	ABBR	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136
			EKC3	RDN2	PYT4	ITM3	BGN3	LTP1-3	LTP2-3	DNM3	TYB2	RST2	NWN2	BGS3	NWW3	NIH3	LKS3	RIT3	PKK2
1	Phloen Chit 3	PNC3	30	0	180	30	0	30	0	30	0	0	30	0	0	0	0	0	0
2	Asok Din Daeng 2	ASD2	30	0	60	30	0	0	0	30	0	0	0	0	0	0	0	0	0
3	Sukhumvit 1	SKW1	30	0	30	0	0	0	0	60	0	0	0	30	0	0	0	0	0
4	Samran Rat 4	SRR4	60	30	60	0	0	0	0	30	0	0	0	30	0	0	0	0	0
5	Krung Kasem 3	KKM3	30	0	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	60	30	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0
9	Surawong 5	SRW5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Pura Khanong 1	PKO1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Pura Khanong 2	PKG2	30	0	60	60	0	30	30	30	0	0	0	60	30	0	30	30	0
14	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Trok Chan 1	TKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Thung Mahamek 1	TMM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Sethu Pradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Khlong Toei 1	KTI1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Hua Mak 2	HAM2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Ramkamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Lai Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Bang Na 1	BNA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Bang Na 2	BNA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNB1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lai Ya T8	LYT8	90	60	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Phasi Charoen 1	PSN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Bang Due Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Bang Due Thong 2	BBT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Bang Khae 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Muban Sotakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Dao Khanong 1	DKN1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Pura Pradaeng 2	PPQ2	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Ekkachai 1	EKC1	240	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Ekkachai 2	EKC2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Rat Burana 1	RBN1	60	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	0	120	30	0	30	0	30	0	0	0	30	0	0	30	0	0
60	Inthamara 1	ITM1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Inthamara 2	ITM2	0	0	30	60	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Bang Klien 1	BGN1	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
63	Bang Klien 2	BGN2	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
64	Lai Phrao 1-2	LTP1-2	0	0	30	0	0	60	0	30	0	0	0	0	0	0	0	0	0
65	Lai Phrao 2-1	LTP2-1	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
66	Lai Phrao 2-2	LTP2-2	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
67	Don Muang 2	DNM2	0	0	30	0	0	0	0	150	30	0	0	0	0	0	0	0	0
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0
69	Rangsit 1	RST1	0	0	0	0	0	0	0	30	0	30	0	0	0	0	0	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
71	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0
72	Ngam Wong Wan 2	NWW2	0	0	30	0	0	0	0	0	0	0	0	30	60	30	0	0	0
73	Nonthaburi 2	NWB2	0	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0	0
74	Lak Si T4	LKST4	30	0	60	60	30	30	0	150	30	0	0	60	60	30	90	60	60
75	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
76	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
77	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
78	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Pathum Thani 1	PIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



13-3 The Number of Circuits Between Exchanges in 1997 (16/20)

NO	Switch Unit Name	ABBR	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136
			EKC3	RBN2	PYT4	ITM3	BGN3	LTP1-3	LTP2-3	DNM3	TYB2	RST2	NWN2	BGS3	NWW3	NTB3	LKS3	RIT3	PKK2
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	60	30	270	60	0	30	0	60	0	0	30	0	30	0	0	30	0
83	Asok Din Daeng 3	ASD3	60	0	150	60	30	30	30	60	0	0	0	0	30	30	30	30	30
84	Sukhumvit 2	SKW2	0	0	30	0	0	0	0	30	0	0	0	0	0	0	0	0	0
85	Samran Rat 5	SRR5	60	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Krung Kasem 4	KKM4	30	0	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0
87	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Surawong 6	SRW6	150	60	150	30	0	30	0	90	0	0	30	0	30	0	60	30	30
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Troak Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Khlong Toei 1	KT1	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	30	0	30	0	0	0	0	30	0	0	0	0	0	0	0	30	0
99	Khlong Chen 4	KGC4	0	0	30	0	0	0	0	30	0	0	0	0	0	0	0	30	0
100	Ramkamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	30	0
102	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Bang Na 4	BNA4	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Pu Chao Saming Phrai 3	PSP3	30	0	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0
107	Bang Phli 4	BPL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Thon Buri 2	TNB2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Lat Ya 2	LY2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Nong Khaem 2	NGK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Sattakit 2	MSK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Dao Khanong 3	DKN3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Phra Pradaeng 3	PPG3	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	90	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Rat Burana 2	RBN2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	0	60	30	30	0	60	0	0	0	60	30	0	30	30	0
123	Inthamara 3	ITM3	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Don Muang 3	DNM3	0	0	60	0	0	0	0	90	30	30	30	0	0	0	60	30	30
128	Thanyaburi 2	TYB2	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
129	Rangsit 2	RST2	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
130	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	30	0	0	0	30	0	0	0	0	0	0
131	Bang Su 3	BGS3	0	0	30	0	0	0	0	0	0	0	60	0	0	30	0	0	0
132	Ngam Wong Wan 3	NWW3	0	0	30	0	0	0	0	0	0	0	30	0	30	0	30	0	0
133	Nonthaburi 3	NTB3	0	0	0	0	0	0	30	0	0	0	60	0	0	0	0	0	0
134	Lak Si 3	LKS3	0	0	60	0	0	0	60	0	0	0	0	0	0	0	0	0	0
135	Ram Inthra 3	RIT3	0	0	30	0	0	0	30	0	0	0	0	0	0	0	0	0	0
136	Pak Kret 2	PKK2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
137	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Chaeng Watthana 2	CWT2	0	0	30	0	0	0	30	0	0	0	0	0	0	0	0	0	30
140	Krung Kasem T1	KKT1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Phloen Chit T3	PLT3	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Thon Buri T(XB)	TNBTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Surawong T(XB)	SWTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Krung Kasem TP	KKTP	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	0	510	390	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Phloen Chit TP	PLTP	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Lak Si TP	LSTP	60	0	60	120	480	480	390	630	360	150	390	510	570	540	600	540	570
149	Phra Khanong TP	PNTP	30	0	30	60	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	660	510	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Lak Si TC	LSTC	0	0	0	0	60	60	150	600	150	30	30	60	90	90	330	60	90
152	Phra Khanong TC	PNTC	0	0	300	90	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Lat Ya TC	LYTC	90	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Lak Si International	LSIT	0	0	0	0	0	0	30	0	0	0	30	0	0	0	60	0	0
155	Phra Khanong International	PNIT	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		2,580	1,110	3,180	1,380	690	840	660	2,610	690	240	660	1,110	930	900	1,350	1,050	1,050

13-3 The Number of Circuits Between Exchanges in 1997 (17/20)

NO	Switch Unit Name	ABBR	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153
			PTT2	BAN2	CW2	MC1	MC2	MC3	MC4	13	KK1	PYTA	PLT3	TNBT	SWTA	KKTP	PYTP	PLTP	LSTP
1	Phoen Chit 3	PNC3	0	0	30	0	0	0	0	0	0	0	330	0	0	0	0	90	180
2	Asok Din Daeng 2	ASD2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	30	240
3	Sukhumvit 1	SKW1	0	0	0	0	0	0	0	0	0	0	300	0	0	30	30	0	180
4	Samran Rat 4	SRR4	0	0	0	0	0	0	0	0	270	0	0	0	0	0	30	0	210
5	Krung Kasem 3	KKM3	0	0	0	30	0	0	0	30	90	30	60	30	60	60	60	90	210
6	Samens 2	SMS2	0	0	0	0	0	0	0	0	240	0	30	0	0	0	0	0	0
7	Pathun Wan 2	PIW2	0	0	0	0	0	0	0	0	210	0	60	0	0	0	30	30	60
8	Surawong 4	SRW4	0	0	0	0	0	0	0	30	30	0	240	0	60	30	30	0	210
9	Surawong 5	SRW5	0	0	0	0	0	0	0	30	0	0	180	0	30	0	0	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0
11	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0
12	Phra Khanong 1	PKG1	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
13	Phra Khanong 2	PKG2	0	0	30	0	30	0	0	60	30	30	90	60	30	60	60	90	180
14	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	60	0
15	Trok Chan 1	TKC1	0	0	0	0	0	0	0	0	0	0	60	0	180	0	30	30	30
16	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	210	0	30	0	0	0	0	30	30
17	Thung Mahamek 1	TMM1	0	0	0	0	0	0	0	0	0	0	30	0	180	0	0	30	0
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0	0
19	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	240	0	0	0	30	0	30
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	0	0	30	0	150	0	0	30	0
21	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	30	0	240	0	0	0	0	0	0
22	Khlong Toei 1	KTI1	0	0	0	0	0	0	0	0	0	0	240	0	0	0	0	0	30
23	Hua Mak 2	HAM2	0	0	0	0	0	0	0	0	0	0	60	0	0	30	0	30	150
24	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	30	0	0	0	0	30	30	30	90
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Ramkamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0
28	Lat Krabang 1	LKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
29	Bang Na 1	BNA1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	60	0
30	Bang Na 2	BNA2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
32	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0	0	0	30	0	30	0	0	0	0	0	0
36	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	60	0
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	30	30	0	30	30	30	30
40	Lat Ya T8	LTYT8	0	0	0	0	0	30	0	60	60	30	90	60	90	60	60	120	180
41	Phasi Charoen 1	PSN1	0	0	0	0	0	0	0	0	0	0	115	0	0	0	0	0	0
42	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
43	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	0	30	0	30	0	0	30	0	30	180
44	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0	30
48	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	30
49	Bang Khae 1	BKE1	0	0	0	0	0	0	0	0	0	0	125	0	0	0	0	0	0
50	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30	0
52	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
53	Dao Khanong 1	DKN1	0	0	0	0	0	0	0	0	0	0	30	180	0	0	0	30	0
54	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Phra Pradeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	30
56	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30	30	30
57	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	30
59	Phahonyothin T2	PYT2	0	0	30	30	0	0	30	60	60	30	90	60	60	60	60	60	210
60	Inthamara 1	ITM1	0	0	0	0	0	0	0	0	0	180	0	0	0	0	30	30	60
61	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	60	0
62	Bang Khen 1	BGM1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0
63	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0
64	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	30	180
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0
66	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30	60	0
67	Don Muang 2	DNM2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	0	150
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	0
71	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	30	0	30	0	0	30	30	30	150
72	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	30	0	30	0	0	30	0	0	150
73	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
74	Lak Si T4	LKST4	30	0	60	0	30	30	30	90	30	30	90	60	60	60	60	90	180
75	Lak Si 2	LKS2	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30
76	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
77	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Pak Kret 1	PKK1	60	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30	0
79	Pathun Thani 1	PTT1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

13-3 The Number of Circuits Between Exchanges in 1997 (18/20)

NO	Switch Unit Name	ABBR	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	
			PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	KKT1	PYTA	PLT3	TNBT	SWTA	KKTP	PYTP	PLTP	LSTP	
80	Bang Phun 1	BAN1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chaeng Wathana 1	CWT1	0	0	60	0	0	0	0	0	0	0	30	0	0	0	0	30	30	0
82	Phloen Chit 4	PNC4	0	0	30	0	0	0	0	30	0	0	90	0	0	0	0	0	420	180
83	Asok Din Daeng 3	ASD3	0	0	30	0	0	0	0	30	0	0	30	0	0	30	210	30	150	0
84	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	240	150	0
85	Sanran Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	60	0	0	240	0	30	180	0
86	Krung Kasem 4	KKM4	0	0	0	30	0	0	0	0	90	0	0	0	0	480	0	0	180	0
87	Samson 3	SMS3	0	0	0	0	0	0	0	0	0	0	30	0	0	210	0	30	0	0
88	Pathum Wan 3	PIW3	0	0	0	0	0	0	0	0	0	0	30	0	0	240	30	30	60	0
89	Surawong 6	SRW6	0	0	30	0	0	0	0	60	30	0	0	0	60	30	0	180	150	0
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0
91	Phra Khanong 3	PKO3	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0
93	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	30	0	0	150	0	30	0	0
94	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	30	0	0	0	0	30	30	210	30	0
95	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210	0	0
96	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	0
97	Khlong Toei 1	KT1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	270	150	0
98	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	60	0	0	60	30	30	180	0
99	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	0	0	60	0	0	30	30	60	150	0
100	Ramkhamseang 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30	30	300	0
102	Lat Krabang 2	LKO2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	0	0
103	Bang Na 4	BNA4	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	30	150	0
104	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	60	0	0	0	30	30	30	0
105	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
106	Pu Chao Saming Phrai 3	PSP3	0	0	0	0	0	0	0	0	0	0	60	0	0	30	0	0	150	0
107	Bang Phli 4	BPL4	0	0	0	0	0	0	0	0	0	0	60	0	0	30	30	30	150	0
108	Bang Phli Bang Ho 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
109	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	30	30	0
110	Lat Ya 2	LTY2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
111	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Bang Phlat 4	BGT4	0	0	0	0	0	0	0	0	30	0	30	0	0	30	0	30	150	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	30	0	30	0	0	30	30	0	390	0
114	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	30	0	30	0	0	30	0	30	60	0
115	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	30	0
117	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	60	0
118	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	30	0
119	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	0	60	0
120	Ekkachai 3	EKC3	0	0	0	0	0	0	0	0	0	0	60	0	0	30	0	0	150	0
121	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	60	0	0	30	30	30	60	0
122	Phahonyothin 4	PYT4	0	0	30	0	0	0	0	0	0	60	0	0	0	0	450	0	150	0
123	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30	30	180	0
124	Bang Khen 3	BON3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	210	0
125	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	30	0	30	0	0	30	30	0	210	0
126	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30	30	240	0
127	Don Muang 3	DNM3	30	0	30	0	0	0	0	0	0	0	0	0	0	60	0	30	480	0
128	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	240	0
129	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0
130	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	330	0
131	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	30	0	30	0	0	60	0	30	330	0
132	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	30	0	30	0	0	30	0	0	300	0
133	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	30	0	0	60	30	30	300	0
134	Lak Si 3	LKS3	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	660	0
135	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	0	0	0	30	0	0	30	0	0	390	0
136	Pak Kret 2	PKK2	120	0	0	0	0	0	0	0	0	0	30	0	0	30	0	0	300	0
137	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	30	0	0	30	30	30	240	0
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0
139	Chaeng Wathana 2	CWT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	420	0
140	Krung Kasem T1	KKT1	0	0	0	30	30	0	0	60	0	30	120	60	60	60	60	90	120	0
141	Phahonyothin T(XB)	PYTA	0	0	0	0	0	0	30	30	30	0	60	30	30	30	30	30	30	0
142	Phloen Chit T3	PLT3	0	0	0	30	30	0	0	60	30	30	0	60	60	60	30	90	90	0
143	Thon Buri T(XB)	TNBTA	0	0	0	0	0	0	30	30	30	30	60	0	30	60	30	60	60	0
144	Surawong T(XB)	SWTA	0	0	0	0	30	0	0	30	30	30	30	30	0	60	30	30	60	0
145	Krung Kasem TP	KKTP	0	0	0	30	30	0	0	60	60	30	90	60	60	0	60	90	120	0
146	Phahonyothin TP	PYTP	0	0	0	30	0	0	30	60	60	30	90	60	60	90	0	60	0	0
147	Phloen Chit TP	PLTP	0	0	0	30	30	0	0	60	60	60	90	90	60	90	60	0	90	0
148	Lak Si TP	LSTP	480	150	570	0	30	30	30	120	60	30	90	60	30	90	60	90	0	0
149	Phra Khanong TP	PNTP	0	0	0	0	30	0	0	90	60	60	150	90	60	60	60	120	210	0
150	Lat Ya TP	LYTP	0	0	0	0	0	0	30	0	60	60	120	60	30	60	30	120	150	0
151	Lak Si TC	LSTC	60	0	90	0	0	0	0	0	60	0	0	0	0	30	0	0	150	0
152	Phra Khanong TC	PNTC	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0	0
153	Lat Ya TC	LYTC	0	0	0	0	0	0	0	0	0	0	30	90	60	0	0	60	0	0
154	Lak Si International	LSIT	0	0	0	0	0	0	0	0	60	0	0	0	0	60	0	0	90	0
155	Phra Khanong International	PNIT	0	0	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0	0
156	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	60	30	30	0	0	30	0	0
Total			810	180	1,020	240	330	180	210	1,140	2,340	930	5,850	1,650	1,500	3,810	3,000	5,460	13,350	0

13-3 The Number of Circuits Between Exchanges in 1997 (19/20)

NO	Switch Unit Name	ABBR	154 PNTT	155 LYTP	156 LSTC	157 PNTC	158 LYTC	159 LSIT	160 PNTT	161 LYIT	TOTAL
1	Phloen Chit 3	PNC3	0	150	0	0	240	0	0	150	4,560
2	Asok Din Daeng 2	ASD2	90	90	0	0	90	0	0	0	2,460
3	Sukhumvit 1	SKW1	60	60	0	0	90	0	0	60	2,580
4	Samran Rat 4	SRR4	90	90	180	0	0	30	0	0	3,330
5	Krung Kasem 3	KKM3	120	90	90	0	0	30	0	0	2,250
6	Samsen 2	SMS2	0	30	30	0	0	0	0	0	690
7	Pathum Wan 2	PTW2	60	60	60	0	0	0	0	0	1,200
8	Surawong 4	SRW4	60	60	0	0	180	0	0	210	4,200
9	Surawong 5	SRW5	0	0	0	0	60	0	0	60	450
10	Chaiyaphruk 1	CYP1	60	30	0	30	0	0	0	0	660
11	Chaiyaphruk 2	CYP2	0	30	0	30	0	0	0	0	750
12	Phra Khanong 1	PKG1	60	0	0	30	0	0	30	0	390
13	Phra Khanong 2	PKG2	120	150	0	180	0	0	120	0	9,900
14	On Nut 1	ONT1	0	30	0	0	0	0	0	0	600
15	Trok Chan 1	TKC1	30	30	0	0	0	0	0	0	510
16	Trok Chan 2	TKC2	30	30	0	0	0	0	0	0	510
17	Thung Mahamek 1	TMM1	30	0	0	0	0	0	0	0	330
18	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	240
19	Sathupradit 2	STD2	30	60	0	0	30	0	0	0	570
20	Thanon Tok 1	TNT1	0	0	0	0	0	0	0	0	270
21	Thanon Tok 2	TNT2	30	30	0	0	30	0	0	0	510
22	Khlong Toei 1	KTI1	60	30	0	0	30	0	0	0	750
23	Hua Mak 2	HAM2	90	60	0	90	0	0	0	0	1,680
24	Khlong Chan 2	KGC2	0	30	0	30	0	0	0	0	1,080
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	180
26	Ramkumbhaeng 1	RKH1	0	0	0	0	0	0	0	0	180
27	Bang Chan 1	BGC1	60	0	0	0	0	0	0	0	540
28	Lat Krabang 1	LKO1	0	0	0	0	0	0	0	0	210
29	Bang Na 1	BNA1	30	30	0	30	0	0	0	0	600
30	Bang Na 2	BNA2	0	30	0	30	0	0	0	0	570
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	240
32	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	300
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	180
34	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	180
35	Pu Chao Saming Phrai 2	PSP2	0	60	0	30	0	0	0	0	990
36	Bang Phli 1	BPL1	0	30	0	30	0	0	0	0	570
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	180
38	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	210
39	Then Buri 1	TNB1	30	0	0	0	0	0	0	0	600
40	Lat Yu T8	LYT8	120	150	0	0	150	0	0	60	8,130
41	Phasi Charoen 1	PSN1	0	60	0	0	0	0	0	0	265
42	Phasi Charoen 2	PSN2	0	30	0	0	30	0	0	0	360
43	Bang Phlat 2	BGT2	90	0	0	0	60	0	0	0	1,800
44	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	120
45	Bang Bue Thong 1	BBT1	0	30	0	0	0	0	0	0	240
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	120
47	Charan Sanitwong 1	CSW1	0	30	0	0	0	0	0	0	330
48	Charan Sanitwong 2	CSW2	30	60	0	0	30	0	0	0	600
49	Bang Khac 1	BKB1	0	30	0	0	0	0	0	0	245
50	Bang Khac 2	BKE2	0	0	0	0	0	0	0	0	270
51	Nong Khaem 1	NGK1	0	0	0	0	30	0	0	0	420
52	Muban Sattakit 1	MSK1	0	0	0	0	30	0	0	0	390
53	Dao Khanong 1	DKN1	0	60	0	0	0	0	0	0	420
54	Dao Khanong 2	DKN2	0	30	0	0	0	0	0	0	240
55	Phra Pradaeng 2	PPG2	30	0	0	0	30	0	0	0	630
56	Ekkachai 1	EKC1	0	60	0	0	30	0	0	0	1,020
57	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	210
58	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	690
59	Phahonyothin T2	PYT2	120	120	0	120	0	0	60	0	3,600
60	Inthamara 1	ITM1	30	0	0	0	0	0	0	0	450
61	Inthamara 2	ITM2	30	30	0	30	0	0	0	0	720
62	Bang Khen 1	BGN1	30	0	0	0	0	0	0	0	450
63	Bang Khen 2	BGN2	30	0	30	0	0	0	0	0	660
64	Lat Phrao 1-2	LTP1-2	60	60	0	0	0	0	0	0	1,170
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	150
66	Lat Phrao 2-2	LTP2-2	60	30	0	0	0	0	0	0	720
67	Don Muang 2	DNM2	0	30	30	0	0	0	0	0	930
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	120
69	Rangsit 1	RST1	0	0	0	0	0	0	0	0	210
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	300
71	Bang Su 2	BGS2	30	30	30	0	0	0	0	0	750
72	Ngam Wong Wan 2	NWW2	30	30	30	0	0	0	0	0	930
73	Nonthaburi 2	NTB2	30	30	0	0	0	0	0	0	480
74	Lak Si T4	LKST4	90	120	270	60	0	90	30	0	11,220
75	Lak Si 2	LKS2	0	0	30	0	0	30	0	0	210
76	Ram Inthra 1	RIT1	30	0	0	0	0	0	0	0	420
77	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	120
78	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	540
79	Pathum Thani 1	PIT1	0	0	0	0	0	0	0	0	270

13-3 The Number of Circuits Between Exchanges in 1997 (20/20)

NO	Switch Unit Name	ABBR	154	155	156	157	158	159	160	161	TOTAL
			PNTF	LYTP	LSTC	PNTC	LYTC	LSIT	PNTT	LYTT	
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	150
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	540
82	Phloen Chit 4	PNC4	0	0	0	0	420	0	0	300	6,330
83	Asok Din Daeng 3	ASD3	90	90	0	180	0	0	30	0	4,500
84	Sukhumvit 2	SKW2	150	60	0	0	90	0	0	30	1,650
85	Samran Rat 5	SRR5	120	90	180	0	0	60	0	0	2,490
86	Krung Kasem 4	KKM4	0	0	90	0	0	0	0	0	1,860
87	Samsen 3	SMS3	30	30	60	0	0	0	0	0	1,200
88	Pathum Wan 3	PTW3	60	60	90	0	0	0	0	0	1,020
89	Surawong 6	SRW6	90	30	0	0	480	0	0	750	8,220
90	Chaiyaphruk 3	CYP3	210	0	0	30	0	0	0	0	390
91	Phra Khanong 3	PKG3	330	0	0	60	0	0	60	0	660
92	On Nut 2	ONT2	390	30	0	30	0	0	0	0	660
93	Trok Chan 3	TKC3	30	30	0	0	0	0	0	0	360
94	Thung Mahamek 3	TMM3	60	60	0	0	60	0	0	0	870
95	Sathorn Pradit 3	STD3	30	30	0	0	0	0	0	0	330
96	Thanon Tok 3	TNT3	30	30	0	0	30	0	0	0	510
97	Khlong Toei 1	KTI1	60	60	0	0	90	0	0	30	1,770
98	Hua Mak 3	HAM3	270	90	0	180	0	0	30	0	2,670
99	Khlong Chuen 4	KGC4	270	60	0	90	0	0	0	0	1,740
100	Ramkarnhaeng 2	RKN2	150	0	0	0	0	0	0	0	180
101	Bang Chan 2	BCC2	60	60	60	0	0	0	0	0	1,440
102	Lat Krabang 2	LKG2	270	30	0	30	0	0	0	0	690
103	Bang Na 4	BNA4	300	90	0	150	0	0	30	0	1,800
104	Samut Prakan 4	SPK4	210	30	0	60	0	0	0	0	900
105	Bang Pu 2	BGU2	180	0	0	0	0	0	0	0	300
106	Pu Chao Saming Phrai 3	PSP3	330	60	0	150	0	0	60	0	2,070
107	Bang Phli 4	BPL4	240	90	0	150	0	0	30	0	1,950
108	Bang Phli Bang Bo 2	BBB2	210	0	0	0	0	0	0	0	360
109	Thon Buri 2	TNB2	0	270	0	0	0	0	0	0	480
110	Lat Ya 2	LY2	0	360	0	0	60	0	0	30	690
111	Phasi Charoen 3	PSN3	0	210	0	0	30	0	0	0	300
112	Bang Phlat 4	BGT4	60	390	0	0	60	0	0	0	1,620
113	Bang Bue Thong 3	BBT3	60	60	60	0	0	0	0	0	1,410
114	Charan Sanitwong 3	CSW3	30	270	0	0	30	0	0	0	810
115	Bang Khae 3	BKE3	0	270	0	0	30	0	0	0	420
116	Nong Khaem 2	NGK2	0	270	0	0	150	0	0	0	1,440
117	Muban Sattakit 2	MSK2	0	330	0	0	90	0	0	0	1,170
118	Dao Khanong 3	DKN3	0	270	0	0	0	0	0	0	570
119	Phra Pradaeng 3	PPG3	60	270	0	0	60	0	0	0	1,080
120	Ekkachai 3	EKC3	0	420	0	0	150	0	0	0	2,610
121	Ret Burana 2	RBN2	0	330	0	0	30	0	0	0	990
122	Phahonyothin 4	PYT4	0	150	0	180	0	0	30	0	3,180
123	Inthamara 3	ITM3	60	30	0	60	0	0	0	0	1,200
124	Bang Khen 3	BGN3	30	0	30	0	0	0	0	0	690
125	Lat Phrso 1-3	LTP1-3	30	30	30	0	0	0	0	0	780
126	Lat Phrso 2-3	LTP2-3	30	30	0	0	0	0	0	0	540
127	Don Muang 3	DNM3	0	60	150	0	0	30	0	0	2,280
128	Thanyaburi 2	TYB2	0	0	30	0	0	0	0	0	510
129	Rangsit 2	RST2	0	0	0	0	0	0	0	0	240
130	Nawa Nakhon 2	NWN2	0	0	30	0	0	30	0	0	690
131	Bang Su 3	BGS3	60	90	240	0	0	0	0	0	1,650
132	Ngam Wong Wan 3	NWW3	30	30	60	0	0	0	0	0	930
133	Nonthaburi 3	NTB3	30	30	60	0	0	0	0	0	990
134	Lak Si 3	LKS3	0	0	120	0	0	60	0	0	1,410
135	Ram Inthra 3	RIT3	60	30	60	0	0	0	0	0	1,110
136	Pak Kret 2	PKK2	0	30	60	0	0	0	0	0	1,020
137	Pathum Thani 2	PTT2	0	30	30	0	0	0	0	0	780
138	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	150
139	Chaeng Watthana 2	CWT2	0	30	30	0	0	0	0	0	1,020
140	Krung Kasem T1	KKT1	90	60	60	0	0	60	0	0	2,310
141	Phahonyothin T(XB)	PYT4	30	30	0	60	0	0	30	0	930
142	Phloen Chit T3	PLT3	180	150	0	0	60	0	0	30	5,670
143	Thon Buri T(XB)	TNBTA	60	60	0	0	60	0	0	30	1,738
144	Surawong T(XB)	SWTA	30	60	0	0	60	0	0	30	1,530
145	Krung Kasem TP	KKTP	120	120	60	0	0	60	0	0	3,720
146	Phahonyothin TP	PYTP	150	60	0	30	0	0	60	0	2,730
147	Phloen Chit TP	PLTP	150	150	0	0	60	0	0	60	5,250
148	Lak Si TP	LSTP	150	150	120	0	0	120	0	0	12,990
149	Phra Khanong TP	PNTP	0	180	0	90	0	0	90	0	7,890
150	Lat Ya TP	LYTP	120	0	0	0	120	0	0	90	8,970
151	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	4,800
152	Phra Khanong TC	PNTC	90	0	0	0	0	0	0	0	3,630
153	Lat Ya TC	LYTC	0	120	0	0	0	0	0	0	4,350
154	Lak Si International	LSIT	0	0	0	0	0	0	0	0	570
155	Phra Khanong International	PNTI	120	0	0	0	0	0	0	0	600
156	Lat Ya International	LYIT	0	90	0	0	0	0	0	0	1,740
	Total		7,980	8,940	2,490	2,340	3,270	600	690	1,920	236,908

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (1/20)

NO	Switch Unit Name	ABBR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			PNC3	ASD2	SKW1	SRR4	KKM3	SMS2	PTW2	SRW4	SRW5	CYP2	PKG2	ONT1	TKC2	TMM2	STD2
1	Phloen Chit 3	PNC3	0	240	90	180	0	30	120	270	390	60	210	0	60	60	30
2	Asok Din Daeng 2	ASD2	240	0	30	180	0	60	60	150	180	30	210	0	0	30	0
3	Sukhumwit 1	SKW1	150	60	0	90	0	0	30	60	90	30	180	0	0	30	0
4	Samran Rat 4	SRR4	210	180	30	0	0	60	60	180	240	30	180	0	0	30	0
5	Krung Kasem 3	KKM3	180	180	0	210	0	30	30	90	150	0	180	0	0	0	0
6	Samsen 2	SMS2	0	30	240	30	0	0	0	0	0	0	30	0	0	0	0
7	Pathum Wan 2	PTW2	90	60	0	90	0	0	0	90	150	0	90	0	0	0	0
8	Surawong 4	SRW4	240	150	30	150	0	90	0	90	0	360	30	210	0	30	60
9	Surawong 5	SRW5	330	210	60	210	0	0	180	390	0	30	210	0	30	60	30
10	Chaiyaphruk 2	CYP2	30	30	0	30	0	0	0	0	30	0	330	0	0	0	0
11	Phra Khanong 2	PKG2	60	90	60	180	30	60	90	150	60	630	0	360	60	60	30
12	On Nut 1	ONT1	30	30	0	0	0	0	0	0	0	0	390	0	0	0	0
13	Trok Chan 2	TKC2	30	30	0	30	0	0	0	30	60	0	60	0	0	30	0
14	Thung Mahamek 2	TMM2	30	0	0	0	0	0	0	30	30	0	60	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	30	0	30	0	0	0	0
16	Thanon Tok 2	TNT2	30	0	0	30	0	0	0	30	60	0	60	0	0	0	0
17	Khlong Toei 1	KTI1	60	30	0	30	0	0	0	60	60	0	150	0	0	0	0
18	Hua Mak 2	HAM2	150	150	30	60	0	0	30	60	90	30	420	0	0	0	0
19	Khlong Chan 2	KGC2	30	30	0	0	0	0	0	0	30	0	270	0	0	0	0
20	Khlong Chan 3	KGC3	30	30	0	0	0	0	0	0	0	0	270	0	0	0	0
21	Ramkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	210	0	0	0	0
22	Bang Chan 1	BGC1	0	30	0	0	0	0	0	0	0	0	90	0	0	0	0
23	Lat Krabang 1	LKGI	0	0	0	0	0	0	0	0	0	0	270	30	0	0	0
24	Bang Na 2	BN2	30	0	0	0	0	0	0	0	30	0	420	0	0	0	0
25	Bang Na 3	BNA3	30	0	0	0	0	0	0	0	30	0	420	0	0	0	0
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	210	0	0	0	0
27	Samut Prakan 3	SPK3	30	0	0	0	0	0	0	0	30	0	300	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	240	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	30	30	0	30	0	0	30	60	0	450	0	0	0	0	0
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0
31	Bang Phli 2	BPL2	30	0	0	0	0	0	0	30	30	0	450	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	210	0	0	0	0
33	Thon Buri 1	TNB1	0	30	0	30	0	0	0	0	0	0	30	0	0	0	0
34	Lat Ya T8	LYT8	60	60	30	90	30	60	120	60	60	0	210	0	60	60	30
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
36	Bang Phlat 2	BGT2	30	30	0	60	0	0	0	30	30	0	60	0	0	0	0
37	Bang Phlat 3	BGT3	0	30	0	30	0	0	0	0	0	0	30	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	30	30	0	60	0	0	0	30	30	0	60	0	0	0	0
40	Charan Sanitwong 2	CSW2	30	30	0	30	0	0	0	0	30	0	30	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	30	300	0	0	0	0	0	30	0	0	0	0
43	Muban Seitakit 1	MSK1	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
44	Dao Khanong 2	DKN2	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
45	Phra Pradaeng 2	PG2	30	30	0	60	0	0	0	30	30	0	90	0	0	0	0
46	Ekkachai 1	EKC1	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
47	Ekkachai 2	EKC2	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
48	Rat Burana 1	RBN1	30	0	0	30	0	0	0	30	30	0	60	0	0	0	0
49	Phahonyothin T2	PYT2	210	870	30	150	90	60	60	90	150	30	180	0	30	30	0
50	Inthamara 2	ITM2	30	60	0	0	0	0	0	0	0	0	60	0	0	0	0
51	Bang Khen 2	BGN2	30	30	0	0	0	0	0	0	0	0	60	120	0	0	0
52	Lat Phrao 1-2	LTP1-2	30	60	0	30	0	0	0	30	30	0	60	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	30	30	0	0	0	0	0	0	0	0	60	0	0	0	0
54	Don Muang 2	DNM2	30	60	0	30	0	0	0	30	30	0	60	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	30	0	0	0	0	0	0	0	0	0	30	0	0	0	0
58	Bang Su 2	BGS2	30	60	0	30	0	0	0	30	30	0	60	0	0	0	0
59	Ngam Wong Wan 2	NWW2	30	30	0	30	0	0	0	0	30	0	60	0	0	0	0
60	Nonthaburi 2	NTB2	30	30	0	60	0	30	0	0	0	0	60	0	0	0	0
61	Lak Si T4	LKST4	60	60	30	150	30	90	90	90	90	30	180	0	30	30	0
62	Lak Si 2	LKS2	30	30	0	0	0	0	0	0	30	0	0	0	0	0	0
63	Ram Inthra 1	RT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RT2	0	0	0	60	0	0	0	0	0	0	30	0	0	0	0
65	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	30	0	0	0	0	0	0	0	0	30	0	0	0	0
69	Phloen Chit 4	PNC4	510	210	60	180	0	30	90	240	330	60	150	0	30	60	30
70	Asok Din Daeng 3	ASD3	120	270	0	90	0	30	30	60	90	0	150	0	0	0	0
71	Sukhumwit 2	SRW2	90	60	60	60	0	0	0	60	60	30	150	0	0	0	0
72	Samran Rat 5	SRR5	90	60	0	210	0	0	30	60	90	0	90	0	0	0	0

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (2/20)

NO	Switch Unit Name	ABBR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			PNC3	ASD2	SKW1	SRR4	KRM3	SMS2	PTW2	SRW4	SRW5	CYP2	PKG2	ONT1	TKC2	TMM2	STD2
73	Krung Kasem 4	KKM4	60	60	0	90	90	30	0	60	60	0	0	0	0	0	0
74	Samsen 3	SMS3	0	30	360	0	0	60	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	30	30	0	30	0	0	60	30	60	0	60	0	0	0	0
76	Surawong 6	SRW6	390	240	60	270	0	30	210	480	690	60	150	0	60	90	30
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	120	0	0	0	0
79	On Nut 2	ONT2	30	0	0	0	0	0	0	0	0	0	0	30	0	0	0
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
81	Thung Mahanek 3	TMM3	30	0	0	0	0	0	0	30	30	0	60	0	0	60	0
82	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	30
83	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	30	0	30	0	0	0	0
84	Khlong Toei 1	KTI2	60	60	0	30	0	0	30	60	90	0	180	0	0	30	0
85	Hua Mak 3	HAM3	90	90	30	60	0	0	30	60	60	30	180	0	0	0	0
86	Khlong Chan 4	KGC4	60	60	0	30	0	0	0	30	30	0	90	0	0	0	0
87	Ranikamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	30	30	0	30	0	0	0	30	30	0	150	0	0	0	0
89	Lat Krabang 2	LKG2	30	0	0	0	0	0	0	0	0	0	60	60	0	0	0
90	Bang Na 4	BN4	30	30	0	30	0	0	0	30	60	0	150	0	0	0	0
91	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
93	Pu Chao Saming Phrai 3	PSP3	60	30	0	30	0	0	0	60	90	0	180	0	0	0	0
94	Bang Phli 4	BPL4	30	30	0	30	0	0	0	30	30	0	90	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LY2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	30	30	0	60	0	0	0	30	30	0	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	30	30	0	60	0	0	0	0	30	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	30	0	30	0	0	0	0	0	0	30	0	0	0	0
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Nong Khaem 2	NGK2	0	0	0	30	360	0	0	0	0	0	30	0	0	0	0
104	Muban Sattakit 2	MSK2	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
106	Phra Pradaeng 3	PPG3	30	0	0	30	0	0	0	0	30	0	60	0	0	0	0
107	Ekkachai 3	EKC3	30	60	0	90	0	0	30	60	60	0	90	0	0	0	0
108	Rat Burana 2	RBN2	0	0	0	30	0	0	0	0	30	0	30	0	0	0	0
109	Phahonyothin 4	PYT4	150	150	0	60	0	30	30	60	90	0	150	0	0	0	0
110	Inthamara 3	ITM3	30	60	0	30	0	0	0	0	0	0	0	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	30	90	0	0	0
112	Lat Phrao 1-3	LTP1-3	30	30	0	0	0	0	0	0	0	0	30	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
114	Don Muang 3	DNM3	60	60	0	30	0	0	0	30	60	0	60	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	180	0	0	0	0	0	0	0	0	0	0
116	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Nawa Nakhon 2	NWN2	30	0	0	0	0	0	0	0	0	0	30	0	0	0	0
118	Bang Su 3	BGS3	30	60	0	30	0	0	0	30	30	0	60	0	0	0	0
119	Ngam Wong Wan 3	NWW3	30	30	0	0	0	0	0	0	0	0	30	0	0	0	0
120	Nonhaburi 3	NTB3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	30	30	0	30	0	0	0	30	30	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Pak Kret 2	PRK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0
125	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	30	30	0	0	0	0	0	0	0	0	30	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	300	0	330	330	0	0	0	90	0	270	0	30
128	Phloen Chit T3	PNCT3	660	0	420	0	0	30	30	600	600	0	60	0	30	480	360
129	Krung Kasem TP	KKTP	30	0	30	30	0	30	0	0	0	0	150	0	0	30	0
130	Phahonyothin TP	PYTP	0	0	30	0	0	0	0	0	0	0	120	0	30	30	0
131	Phloen Chit TP	PLTP	90	0	0	30	0	0	30	30	30	0	30	0	30	30	30
132	Lak Si TP	LSTP	30	30	60	150	0	90	90	60	90	60	180	0	30	30	0
133	Phra Khanong TP	PNTP	30	60	60	60	0	60	90	60	60	0	180	0	60	30	30
134	Lat Ya TP	LYTP	30	60	0	60	0	30	60	60	30	0	180	0	60	30	0
135	Lak Si TC	LSTC	0	0	0	600	330	90	270	0	0	0	0	0	60	0	0
136	Phra Khanong TC	PNTC	0	300	0	0	0	0	0	0	0	90	240	150	0	0	0
137	Lat Ya TC	LYTC	660	0	90	0	0	0	0	330	690	0	0	0	0	30	60
138	Lak Si International	LSIT	0	0	0	90	60	0	0	0	0	0	0	0	0	0	0
139	Phra Khanong International	PNIT	0	30	0	0	0	0	0	0	0	30	150	0	0	0	0
140	Lat Ya International	LYIT	270	0	60	0	0	0	0	210	540	0	0	0	0	0	0
	Total		6,960	5,580	1,980	5,700	1,770	1,350	2,400	5,010	7,200	1,320	13,170	960	1,020	1,410	720

13-4. The Number of Circuits Between Exchanges in BMA in 2002 (3/20)

NO	Switch Unit Name	ABBR	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			TNT2	KT11	HAM2	KGC2	KGC3	RKN1	BGC1	LKG1	BN2	BNA3	SPK2	SPK3	BGU1	PSP2	BPL1
1	Phloen Chit 3	PNC3	30	60	150	30	0	0	0	0	30	30	0	0	0	60	0
2	Asok Din Daeng 2	ASD2	30	30	150	30	0	0	30	0	0	0	0	0	0	30	0
3	Sukhumwit 1	SKW1	0	30	60	0	0	0	0	0	0	0	0	30	0	0	0
4	Samran Rat 4	SRR4	30	30	60	0	0	0	0	0	0	0	0	60	0	30	0
5	Krung Kasem 3	KKM3	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	30	60	0	0	0	0	0	0	0	0	0	0	30	0
9	Surawong 5	SRW5	60	60	90	0	0	0	0	0	0	0	0	30	0	30	0
10	Chaiyaphruk 2	CYP2	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	30	60	720	600	450	330	0	390	540	660	150	510	330	600	420
12	On Nut 1	ONT1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Thanon Tok 2	TNT2	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0
17	Khlong Toei 1	KTI1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	30	30	0	30	30	0	30	0	0	0	0	30	0	30	0
19	Khlong Chan 2	KGC2	0	0	30	0	30	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	30	60	0	0	0	0	0	0	0	0	0	0	0
21	Ramkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
23	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	0	0	0	0	0	0	0	0	0	60	0	0	0	30	0
25	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0
27	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	60	0	60	60	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0
29	Pu Chao Samung Phrai 2	PSP2	0	0	0	0	120	0	0	0	0	0	0	30	0	0	0
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	0	0	30	0	0	0	0	0	0	0	0	0	0	30	60
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lai Ya T8	LYT8	60	30	30	0	0	0	0	0	0	0	0	0	0	0	0
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradsang 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
46	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	0	30	90	30	0	0	0	0	0	0	0	0	0	0	0
50	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Bang Su 2	BGS2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
60	Northaburi 2	NTB2	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0
61	Lak Si T4	LKST4	0	30	60	30	0	0	660	0	0	0	0	0	0	30	0
62	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	30	60	150	30	0	0	0	0	30	30	0	0	0	60	0
70	Asok Din Daeng 3	ASD3	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0
71	Sukhumwit 2	SKW2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	0	30	0	0	0	0	0	0	0	0	30	0	0	0



13-4 The Number of Circuits Between Exchanges in BMA in 2002 (4/20)

NO	Switch Unit Name	ABBR	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			TNT2	KT11	HAM2	KGC2	KGC3	RKN1	BGC1	LKG1	BN2	BNA3	SPK2	SPK3	BGU1	PSP2	BFL1
73	Krung Kasem 4	KKM4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Surawong 6	SRW6	60	90	120	30	0	0	30	0	30	30	0	60	0	60	0
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	On Nut 2	ONT2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Thason Tok 3	TNT3	30	0	0	0	60	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	0	90	30	0	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	270	30	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	60	90	60	30	30	0	0	0	0	0	0	0	0
87	Ramkarnhaeng 2	RKN2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	0	0	60	30	0	0	180	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	0	0	30	0	0	0	0	0	60	90	0	0	0	30	0
91	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	30	120	30	30	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0
93	Pu Chao Saming Phrai 3	PSP3	0	0	30	0	0	0	0	0	0	0	0	30	0	150	0
94	Bang Phli 4	BPL4	0	0	60	0	0	0	0	0	30	30	0	30	0	60	90
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Bang Khac 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0
108	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	0	30	60	0	0	0	0	0	0	0	0	0	0	0	0
110	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Don Muang 3	DNM3	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
123	Pak Kret 2	PKK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Cheeng Watthana 2	CWT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	Phloen Chit T3	PNCT3	390	540	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	30	30	90	90	30	30	0	0	30	30	0	30	0	60	0
133	Phra Khanong TP	PNTP	30	60	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Lat Ya TP	LYTP	30	0	60	0	0	0	0	0	0	0	0	0	0	30	0
135	Lak Si TC	LSTC	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0
136	Phra Khanong TC	PNTC	0	0	270	30	60	30	0	30	60	60	30	150	30	150	30
137	Lat Ya TC	LYTC	90	120	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Phra Khanong International	PNIT	0	0	30	0	0	0	0	0	0	0	0	0	0	30	0
140	Lat Ya International	LYIT	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		1,080	1,530	3,600	1,170	930	450	1,020	480	960	1,020	360	1,290	480	1,650	600

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (5/20)

NO	Switch Unit Name	ABBR	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
			BPL2	BBB1	TNB1	LTYT8	PSN2	BGT2	BGT3	BBT1	BBT2	CSW2	BKE2	NGK1	MSK1	DKN2	PPG2
1	Phloen Chit 3	PNC3	30	0	30	180	0	60	30	0	60	30	0	30	30	0	30
2	Asok Din Daeng 2	ASD2	0	0	30	150	0	60	30	0	30	30	0	30	0	0	30
3	Sukhumwit 1	SKW1	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	0	60	90	0	60	30	0	30	60	30	60	60	30	60
5	Krung Kasem 3	KKM3	0	0	30	150	0	60	30	0	30	30	0	0	0	0	0
6	Sansern 2	SMS2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	0	0	150	0	30	0	0	0	0	0	0	0	0	0
9	Surawong 5	SRW5	30	0	30	90	0	30	0	0	30	30	0	30	30	30	60
10	Chaiyaphruk 2	CYP2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	660	240	30	210	0	30	0	0	0	30	0	0	0	0	30
12	On Nut 1	ONT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
16	Thanon Tok 2	TNT2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Toei 1	KTI1	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	30	0	0	150	0	30	0	0	0	0	0	0	0	0	0
19	Khlong Chan 2	KGC2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
21	Ramkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
23	Lai Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Samut Prakan 3	SPK3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
30	Bang Phli 1	BPL1	60	0	0	30	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	0	0	0	330	0	0	0	0	0	0	0	0	0	0	0
34	Lai Ya T8	LTYT8	0	0	660	0	450	570	480	0	0	570	600	690	600	570	600
35	Phasi Charoen 2	PSN2	0	0	0	240	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	0	0	0	300	0	0	60	0	60	30	0	30	0	0	0
37	Bang Phlat 3	BGT3	0	0	0	330	0	60	0	0	30	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	30	0	0	0	0	30	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	0	0	0	150	0	90	30	30	0	30	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	0	0	30	390	0	30	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	270	0	0	0	0	0	0	0	0	60	0	0
43	Muban Sattakit 1	MSK1	0	0	0	330	0	0	0	0	0	0	0	90	0	0	0
44	Dao khanong 2	DKN2	0	0	0	330	0	0	0	0	0	0	0	0	0	0	0
45	Pura Pradaeng 2	PPG2	0	0	0	330	0	0	0	0	0	0	0	0	0	30	0
46	Ekkachai 1	EKC1	0	0	0	270	0	0	0	0	0	0	0	0	0	30	0
47	Ekkachai 2	EKC2	0	0	0	300	0	0	0	0	0	0	0	0	0	30	0
48	Rat Burana 1	RBN1	0	0	0	480	0	0	0	0	0	0	0	0	0	30	30
49	Phahonyothin T2	PYT2	0	0	0	210	0	30	0	0	30	30	0	0	0	0	0
50	Inthamara 2	ITM2	0	0	0	30	0	0	0	0	150	0	0	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
52	Lai Phrao 1-2	LTP1-2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
53	Lai Phrao 2-2	LTP2-2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
55	Thanayaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Bang Su 2	BGS2	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
60	Nonthaburi 2	NTB2	0	0	0	30	0	30	0	0	0	30	0	0	0	0	0
61	Lak Si T4	LKST4	30	0	30	180	0	60	30	150	600	30	0	0	0	0	0
62	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKR1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	30	0	30	150	0	60	30	0	30	30	0	30	30	0	0
70	Asok Din Daeng 3	ASD3	0	0	0	150	0	30	0	0	0	0	0	0	0	0	0
71	Sukhumwit 2	SKW2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	0	30	150	0	30	0	0	0	0	0	30	30	0	30

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (6/20)

NO	Switch Unit Name	ABBR	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
			BPL2	BBB1	TNB1	LTYT8	PSN2	BGT2	BGT3	BBT1	BBT2	CSW2	BKE2	NGK1	MSK1	DKN2	PPG2
73	Krung Kasem 4	KKM4	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
74	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
76	Surawong 6	SRW6	30	0	60	150	0	60	0	0	30	30	0	60	30	30	60
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Trok Chan 3	TKC3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
81	Thung Mahamek 3	TMM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
82	Saihupradit 3	STD3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
83	Thanon Tok 3	TNT3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toc 1	KTI2	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
85	Bua Mak 3	HAM3	30	0	0	150	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
87	Ramkamhseng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Pu Chao Saming Phrai 3	PSP3	60	0	0	90	0	0	0	0	0	0	0	0	0	0	30
94	Bang Phli 4	BPL4	180	30	0	90	0	0	0	0	0	0	0	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thon Buri 2	TNB2	0	0	60	60	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LTY2	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	0	0	0	150	0	90	60	0	60	30	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	180	0	60	30	30	60	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	0	0	150	0	0	0	0	0	60	0	0	0	0	0
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0
103	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	90	60	0	0
104	Muban Sattakit 2	MSK2	0	0	0	150	0	0	0	0	0	0	0	90	120	0	0
105	Dao Khanong 3	DKN3	0	0	0	60	0	0	0	0	0	0	0	0	0	30	0
106	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150
107	Ekkachai 3	EKC3	0	0	60	60	30	0	0	0	0	30	30	60	30	90	30
108	Rat Burana 2	RBN2	0	0	0	150	0	0	0	0	0	0	0	0	0	30	30
109	Phahonyothin 4	PYT4	0	0	0	150	0	30	0	0	0	0	0	0	0	0	0
110	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Lat Phrao 1-3	LTP1-3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
114	Don Muang 3	DNM3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Nawa Nakhon 2	NWN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Ngam Wong Wan 3	NWW3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
120	Nonthaburi 3	NTB3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Pak Kret 2	PKK2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
128	Phloen Chit T3	PNCT3	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	150	0	0	0	0	0	30	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	30	0	30	150	0	60	30	0	0	60	30	30	30	0	30
133	Phra Khanong TP	PNTP	0	0	0	210	0	30	0	0	0	0	0	0	0	0	0
134	Lat Ya TP	LYTP	0	0	30	150	0	30	0	0	0	30	30	30	30	30	0
135	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0
136	Phra Khanong TC	PNTC	180	30	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	0	0	60	150	60	150	90	0	0	90	60	60	60	30	150
138	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Phra Khanong International	PNIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Lat Ya International	LYIT	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
	Total		1,560	330	1,290	11,760	570	1,890	960	210	1,410	1,320	840	1,470	1,230	990	1,380

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (7/20)

NO	Switch Unit Name	ABBR	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1	Phloen Chit 3	PNC3	0	0	30	300	30	30	60	30	30	0	0	30	0	30	30
2	Asok Din Daeng 2	ASD2	0	0	30	300	60	30	60	30	30	0	0	0	0	60	60
3	Sukhumwit 1	SKW1	0	0	0	60	0	0	0	0	30	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	30	60	150	30	30	30	0	30	0	0	0	30	30	30
5	Krung Kasem 3	KKM3	0	0	0	180	0	30	30	0	60	0	0	0	30	30	0
6	Samsen 2	SMS2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	0	30	120	0	0	30	0	0	0	0	0	0	0	0
9	Surawong 5	SRW5	30	30	30	150	30	0	30	0	30	0	0	0	0	0	0
10	Chaiyaphruk 2	CYP2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	0	0	30	120	30	0	0	30	0	0	0	0	30	0	0
12	On Nut 1	ONT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
16	Thanon Tok 2	TNT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Toei 1	KTI1	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	0	0	0	60	30	0	30	30	0	0	0	0	0	0	0
19	Khlong Chan 2	KGC2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
21	Ramkhamhaeng 1	RKN1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
23	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Samut Prakan 3	SPK3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	540	510	570	120	0	0	0	0	0	0	0	0	0	0	0
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	30
37	Bang Phlat 3	BGT3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Muban Settakit 1	MSK1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	0	0	60	30	0	0	0	0	0	0	0	0	0	0	0
46	Ekkachai 1	EKC1	0	90	30	30	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	90	0	30	30	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	30	30	0	30	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	0	0	0	0	750	60	60	30	60	0	0	0	60	60	30
50	Inthamara 2	ITM2	0	0	0	360	0	0	0	0	0	0	0	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	60	0	0	0	0	30	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	60	0	0	0	0	0	90	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	30	0	0	0	0	60	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	30	0	0	0	0	0	0	0	0	30	0	0
58	Bang Su 2	BGS2	0	0	0	60	0	0	0	0	0	0	0	30	0	30	60
59	Ngam Wong Wan 2	NWW2	0	0	0	60	0	0	0	0	0	0	0	0	30	0	60
60	Nonhaburi 2	NTB2	0	0	0	30	0	0	0	0	30	0	0	0	90	0	0
61	Lak Si T4	LKST4	0	0	30	150	30	750	780	660	810	600	210	360	780	750	660
62	Lak Si 2	LKS2	0	0	0	60	0	0	0	0	30	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	0	0	30	270	30	30	30	0	30	0	0	30	0	30	30
70	Asok Din Daeng 3	ASD3	0	0	0	90	30	0	30	0	30	0	0	0	0	30	30
71	Sukhumwit 2	SKW2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	0	30	60	0	0	0	0	0	0	0	0	0	0	0

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (8/20)

NO	Switch Unit Name	ABBR	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
			EKC1	EKC2	RBN1	PYT2	ITM2	BGN2	LTP1-2	LTP2-2	DNM2	TYB1	RST1	NWN1	BGS2	NWW2	NTB2
73	Krung Kasem 4	KKM4	0	0	0	60	0	0	0	0	30	0	0	0	0	0	0
74	Samsen 3	SMS3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
76	Surawong 6	SRW6	30	30	60	180	30	30	30	0	60	0	0	0	0	30	30
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	On Nut 2	ONT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Thung Mahamek 3	TMM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
82	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toc 1	KT12	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
87	Ranckamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Pu Chao Saming Phrai 3	PSP3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
94	Bang Phli 4	BPL4	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Nong Khaem 2	NGK2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
104	Muban Sattakit 2	MSK2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	0	0	60	30	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	210	180	90	30	0	0	0	0	0	0	0	0	0	0	0
108	Rat Burana 2	RBN2	0	0	120	30	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	0	0	0	240	30	30	30	0	30	0	0	0	30	30	0
110	Inthamara 3	ITM3	0	0	0	60	60	0	0	0	0	0	0	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	30	0	60	0	0	0	0	0	0	0	0	0
112	Lat Phrao 1-3	LTP1-3	0	0	0	30	0	0	60	0	0	0	0	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	0	0	0	30	0	0	0	30	0	0	0	0	0	0	0
114	Don Muang 3	DNM3	0	0	0	90	0	30	30	0	240	90	30	0	0	30	0
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	30	30	0	0	0	0	0
116	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
117	Nawa Nakhon 2	NWN2	0	0	0	30	0	0	0	0	0	0	0	60	30	0	0
118	Bang Su 3	BGS3	0	0	0	60	0	0	0	0	0	0	0	30	90	30	60
119	Ngam Wong Wan 3	NWW3	0	0	0	30	0	0	0	0	0	0	0	0	30	90	30
120	Nonthaburi 3	NTB3	0	0	0	30	0	0	0	0	0	0	0	0	30	0	210
121	Lak Si 3	LKS3	0	0	0	60	0	0	0	0	30	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
123	Pak Kret 2	PKK2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
124	Pathum Thani 2	PTT2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
125	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	0	0	0	60	0	0	0	0	0	0	0	0	0	30	0
127	Krung Kasem T1	KKT1	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
128	Phloen Chit T3	PNC13	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	0	0	30	150	0	0	0	0	0	0	0	0	0	0	0
133	Phra Khanong TP	PNTP	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
134	Lat Ya TP	LYTP	30	30	0	120	0	0	0	0	0	0	0	0	0	30	30
135	Lak Si TC	LSTC	0	0	0	0	0	90	90	180	450	210	60	30	60	150	180
136	Phra Khanong TC	PNTC	0	0	0	390	90	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	30	30	60	0	0	0	0	0	0	0	0	0	0	0	0
138	Lak Si International	LSIT	0	0	0	0	0	0	0	0	30	0	0	30	0	0	0
139	Phra Khanong International	PNIT	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
140	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		1,050	990	1,440	7,080	1,260	1,200	1,410	1,020	2,190	1,020	330	600	1,350	1,470	1,650

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (9/20)

NO	Switch Unit Name	ABBR	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
			LKST4	LKS2	RIT1	RIT2	PKK1	PTT1	BAN1	CWT1	PNC4	ASD3	SKW2	SRR5	KKM4	SMS3	PTW3
1	Phloen Chit 3	PNC3	210	0	0	0	0	0	0	0	0	480	150	60	60	30	30
2	Asok Din Daeng 2	ASD2	180	30	0	0	0	0	0	0	30	180	270	30	60	30	30
3	Sukhumwit 1	SKW1	180	0	0	0	0	0	0	0	0	90	30	60	0	0	0
4	Sanran Rat 4	SRR4	180	0	0	0	0	0	0	0	0	180	90	0	210	30	60
5	Krung Kasem 3	KKM3	180	30	0	0	30	0	0	0	0	90	90	0	60	90	30
6	Samsean 2	SMS2	90	0	0	0	0	0	0	0	0	0	0	180	0	0	60
7	Pathum Wan 2	PTW2	150	0	0	0	0	0	0	0	0	60	30	0	30	0	60
8	Surawong 4	SRW4	210	0	0	0	0	0	0	0	0	210	60	30	60	0	0
9	Surawong 5	SRW5	240	30	0	0	0	0	0	0	0	270	90	30	90	30	90
10	Chaiyaphruk 2	CYP2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
11	Phra Khanong 2	PKG2	240	0	0	0	0	0	0	0	0	60	60	30	60	30	60
12	On Nut 1	ONT1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TRC2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0
15	Sathupradit 2	STD2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Ithanon Tok 2	INT2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Toei 1	KTH1	90	0	0	0	0	0	0	0	0	60	30	0	0	0	0
18	Hua Mak 2	HAM2	210	0	0	0	0	0	0	0	0	90	60	0	30	0	0
19	Khlong Chan 2	KGC2	150	0	0	0	0	0	0	0	0	30	0	0	0	0	0
20	Khlong Chan 3	KGC3	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Ramkhamhaeng 1	RKN1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Lat Krabang 1	LKG1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Samut Prakan 3	SPK3	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
30	Bang Phli 1	BPL1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	210	0	0	0	0	0	0	0	0	30	60	0	90	30	30
35	Phasi Charoen 2	PSN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	150	0	0	0	0	0	0	0	0	30	0	0	30	0	0
37	Bang Phlat 3	BGT3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	360	0	0	0	0	0	0	0	0	30	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Muban Sattakit 1	MSK1	30	0	0	0	0	0	0	0	0	0	0	0	150	0	0
44	Dao Khanong 2	DKN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
46	Ekkachai 1	EKC1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	180	30	0	0	0	0	0	30	180	150	30	60	30	60	30
50	Inthamara 2	ITM2	150	0	0	0	0	0	0	0	0	30	0	0	0	0	0
51	Bang Khen 2	BGN2	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	270	0	0	0	0	0	0	0	0	30	30	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	450	30	0	0	30	0	0	0	30	30	0	0	0	0	0
55	Thanayaburi 1	TYB1	270	0	0	0	0	0	0	0	0	0	0	0	120	0	0
56	Rangsit 1	RST1	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	330	0	0	0	0	0	0	0	0	30	0	0	0	0	0
58	Bang Su 2	BGS2	300	0	0	0	0	0	0	0	0	30	30	0	0	0	0
59	Ngam Wong Wan 2	NWW2	360	0	0	0	0	0	0	0	0	30	0	0	0	0	0
60	Noonthaburi 2	NTB2	330	0	0	0	0	0	0	0	0	0	0	0	0	30	30
61	Lak Si T4	LKST4	0	480	300	300	660	420	210	570	60	90	30	60	30	60	0
62	Lak Si 2	LKS2	510	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	240	0	0	30	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	240	0	30	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	420	0	0	0	0	60	0	0	0	0	0	0	0	0	0
66	Pathum Thani 1	PTT1	300	0	0	0	60	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Wathana 1	CWT1	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	210	0	0	0	0	0	0	0	0	90	30	60	30	30	30
70	Asok Din Daeng 3	ASD3	180	0	0	0	0	0	0	0	0	60	0	0	30	0	30
71	Sukhumwit 2	SKW2	150	0	0	0	0	0	0	0	0	60	0	0	0	0	0
72	Sanran Rat 5	SRR5	180	0	0	0	0	0	0	0	0	60	30	0	0	0	0

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (10/20)

NO	Switch Unit Name	ABBR	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
			LKST4	LKS2	RIT1	RIT2	PKK1	PIT1	BAN1	CWT1	PNC4	ASD3	SKW2	SRR5	KKM4	SMS3	PTW3
73	Krung Kasem 4	KKM4	180	0	0	0	0	0	0	0	30	30	0	30	0	0	0
74	Samsen 3	SMS3	60	0	0	0	0	0	0	0	0	0	240	0	0	0	0
75	Pathum Wan 3	PTW3	60	0	0	0	0	0	0	0	30	0	0	0	0	0	0
76	Surawong 6	SRW6	180	30	0	0	0	0	0	30	330	120	60	90	30	30	90
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Thung Mahamek 3	TMM3	30	0	0	0	0	0	0	0	30	0	0	0	0	0	0
82	Sathupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlung Toci 1	KTI2	150	0	0	0	0	0	0	0	60	30	0	0	0	0	0
85	Hua Mak 3	HAM3	210	0	0	0	0	0	0	0	60	60	0	0	0	0	0
86	Khlung Chan 4	KGC4	180	0	0	0	0	0	0	0	30	30	0	0	0	0	0
87	Ramkarnhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	180	0	0	0	0	0	0	0	30	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	30	0	0	0	0	0	0	0	30	0	0	0	0	0	0
90	Bang Na 4	BN4	90	0	0	0	0	0	0	0	30	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Pu Chao Saming Phrai 3	PSP3	150	0	0	0	0	0	0	0	30	30	0	0	0	0	0
94	Bang Phli 4	BPL4	120	0	0	0	0	0	0	0	30	0	0	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thon Buri 2	TNB2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LTY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	150	0	0	0	0	0	0	0	30	0	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Bang Khae 3	BKE3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Nong Khaem 2	NGK2	30	0	0	0	0	0	0	0	0	0	0	0	180	0	0
104	Muban Setakit 2	MSK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	150	0	0	0	0	0	0	0	30	30	0	30	0	0	0
108	Rat Burana 2	RBN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	240	0	0	0	0	0	0	0	90	60	0	30	30	30	0
110	Inthamara 3	ITM3	150	0	0	0	0	0	0	0	30	30	0	0	0	0	0
111	Bang Khen 3	BGN3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Lat Phrao 1-3	LTP1-3	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Don Muang 3	DNM3	210	30	0	0	30	0	0	0	30	30	0	0	0	0	0
115	Thanyaburi 2	TYB2	30	0	0	0	0	0	0	0	0	0	0	0	60	0	0
116	Rangsit 2	RST2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Nawa Nakhon 2	NWN2	60	0	0	0	0	0	0	0	30	0	0	0	0	0	0
118	Bang Su 3	BGS3	150	0	0	0	0	0	0	0	30	30	0	0	0	0	0
119	Ngam Wong Wan 3	NWW3	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Nonthaburi 3	NTB3	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	210	60	0	0	0	0	0	0	30	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	180	0	60	60	0	0	0	0	0	0	0	0	0	0	0
123	Pak Kret 2	PKK2	150	0	0	0	120	60	0	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PIT2	60	0	0	0	60	60	0	0	0	0	0	0	0	0	0
125	Bang Phun 2	BAN2	30	0	0	0	0	0	30	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	180	0	0	0	0	0	60	0	0	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	30	0	0	0	0	0	0	0	0	0	30	30	60	0	0
128	Phloen Chit T3	PNCT3	60	0	0	0	0	0	0	0	60	30	0	30	30	30	0
129	Krung Kasem TP	KKTP	60	0	0	0	0	0	0	0	30	30	0	480	450	510	450
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	570	0	0	0	0	0
131	Phloen Chit TP	PLTP	60	0	0	0	0	0	0	0	810	30	390	30	0	0	0
132	Lak Si TP	LSTP	120	30	0	0	0	0	0	0	30	120	0	60	30	60	0
133	Phra Khanong TP	PNTP	210	0	0	0	0	0	0	0	30	30	30	30	0	0	0
134	Lat Ya TP	LYTP	210	0	0	0	0	0	0	0	30	60	0	90	30	30	30
135	Lak Si TC	LSTC	210	270	0	30	90	60	0	60	0	0	0	300	180	150	150
136	Phra Khanong TC	PNTC	60	0	0	0	0	0	0	0	0	450	0	0	0	0	0
137	Lat Ya TC	LYTC	0	0	0	0	0	0	0	0	600	0	60	0	0	0	0
138	Lak Si International	LSIT	90	30	0	0	0	0	0	0	0	0	0	60	0	0	0
139	Phra Khanong International	PNIT	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0
140	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	270	0	30	0	0	0	0
	Total		16,530	1,080	390	420	1,080	660	240	780	5,580	3,300	1,350	2,280	1,740	1,410	1,110

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (11/20)

NO	Switch Unit Name	ABBR	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
			SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3	TNT3	KT12	HAM3	KGC4	RKN2	BGC2	LKG2	BNA4
1	Phloen Chit 3	PNC3	480	0	0	0	0	0	30	0	60	210	60	0	30	30	60
2	Asok Din Daeng 2	ASD2	210	0	0	0	0	0	30	0	30	60	60	0	30	0	30
3	Sukhumvit 1	SKW1	150	0	0	0	0	0	0	0	30	60	30	0	0	0	30
4	Samran Rat 4	SRR4	300	0	0	0	0	0	0	0	30	60	30	0	0	0	0
5	Krung Kasem 3	KKM3	150	0	0	0	0	0	0	0	30	30	30	0	30	0	0
6	Samsen 2	SMS2	30	0	0	0	0	0	0	0	0	0	0	0	30	0	30
7	Pathum Wan 2	PTW2	180	0	0	0	0	0	0	0	0	60	0	0	0	0	0
8	Surawong 4	SRW4	450	0	0	0	0	0	0	0	30	180	30	0	0	0	0
9	Surawong 5	SRW5	690	0	0	0	0	0	30	0	60	270	30	0	30	0	30
10	Chaiyaphruk 2	CYP2	60	30	0	0	0	30	0	0	30	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	60	30	90	30	0	60	0	0	90	90	60	0	90	30	150
12	On Nut 1	ONT1	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	60	0	0	0	30	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0
15	Sathupradit 2	STD2	30	0	0	0	0	0	30	0	0	0	0	0	0	0	0
16	Thanon Tok 2	TNT2	60	0	0	0	0	0	0	30	0	0	0	0	0	0	0
17	Khlong Toei 1	KTH1	90	0	0	0	0	0	0	0	90	0	0	0	0	0	0
18	Hua Mak 2	HAM2	120	0	0	0	0	90	0	0	60	180	60	0	30	0	30
19	Khlong Chan 2	KGC2	30	0	0	0	0	0	0	0	0	0	90	0	30	0	0
20	Khlong Chan 3	KGC3	30	0	0	0	0	0	0	0	0	0	60	0	0	0	0
21	Ranckamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0
22	Bang Chan 1	BGC1	30	0	0	0	0	0	0	0	0	0	30	0	180	0	0
23	Lat Krabang 1	LKG1	0	0	0	30	0	0	0	0	0	0	0	0	0	60	0
24	Bang Na 2	BN2	30	0	0	0	0	30	0	0	0	0	0	0	0	0	60
25	Bang Na 3	BNA3	30	0	0	0	0	30	0	0	0	0	0	0	0	0	90
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Samut Prakan 3	SPK3	30	0	0	0	0	30	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	60	0	0	0	0	30	0	0	30	0	0	0	0	0	30
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	Bang Phli 2	BPL2	30	0	0	0	0	30	0	0	0	0	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
33	Thon Buri 1	TNB1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	30	0	0	0	0	0	0	0	30	60	30	0	0	0	60
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phlat 3	BGT3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Nong Khaem 1	NGK1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Muban Sattakit 1	MSK1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Ekkachai 1	EKC1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	180	0	0	0	0	90	0	0	60	30	60	0	30	0	30
50	Inthamara 2	ITM2	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
51	Bang Khen 2	BGN2	30	0	0	90	0	0	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Bang Su 2	BGS2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
61	Lak Si T4	LKST4	90	0	0	0	0	0	0	30	30	60	90	0	60	0	60
62	Lak Si 2	LKS2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Pathum Thani 1	PIT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chacng Waithana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	420	0	0	0	0	0	30	0	30	180	60	0	30	0	60
70	Asok Din Daeng 3	ASD3	120	0	0	0	0	0	0	0	0	30	30	0	0	0	0
71	Sukhumvit 2	SKW2	90	0	0	0	0	0	0	0	0	30	0	0	0	0	0
72	Samran Rat 5	SRR5	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0



13-4 The Number of Circuits Between Exchanges in BMA in 2002 (12/20)

NO	Switch Unit Name	ABBR	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
			SRW6	CYP3	PKG3	ONT2	TKC3	TMM3	STD3	TNT3	KT12	HAM3	KGC4	RKN2	BGC2	LKG2	BNA4
73	Krung Kasem 4	KKM4	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Surawong 6	SRW6	0	0	0	0	0	30	30	0	90	360	30	0	30	0	30
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Thung Mahamek 3	TMM3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Sahupradit 3	STD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Thanon Tok 3	TNT3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	120	0	0	0	0	0	0	0	0	30	0	0	0	0	0
85	Hua Mak 3	HAM3	90	0	0	0	0	60	0	0	30	0	60	0	30	0	0
86	Khlong Chan 4	KGC4	60	0	0	0	0	30	0	0	0	30	0	0	30	0	0
87	Ramkhamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0
89	Lat Krabang 2	LKG2	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	60	0	0	0	0	60	0	0	30	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Pu Chao Saming Phrai 3	PSF3	90	0	0	0	0	30	0	0	60	0	0	0	0	0	30
94	Bang Phli 4	BPL4	60	0	0	0	0	30	0	0	30	30	0	0	0	0	60
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lat Ya 2	LTY2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Phasi Charoen 3	PSN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Bang Phlat 4	BGT4	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Bang Buc Thong 3	BBT3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Nong Khaem 2	NGK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Muban Sattakit 2	MSK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Rat Burana 2	RBN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	120	0	0	0	0	60	0	0	30	30	30	0	0	0	0
110	Inthamara 3	ITM3	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
112	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Don Muang 3	DNM3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Thanayaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Rangsit 2	RST2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Nawa Nakhon 2	NWN2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Bang Su 3	BGS3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	30	0	0	0	0	0	0	0	0	30	0	30	0	0	0
123	Pak Kret 2	PKK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PTI2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
125	Bang Phun 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
128	Phloen Chit T3	PNCT3	0	0	0	0	0	60	30	30	30	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	0	180	0	0	0	0	0	0	0	0	0	30
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	540	0	0	0	0	420	180	300	570	0	0	0	0	30	0
132	Lak Si TP	LSTP	30	0	0	0	0	0	0	30	30	60	90	0	600	0	60
133	Phra Khanong TP	PNTP	30	270	330	330	0	60	0	0	60	510	540	150	60	390	540
134	Lat Ya TP	LYTP	30	0	0	0	0	0	0	0	60	30	0	0	0	0	30
135	Lak Si TC	LSTC	0	0	0	0	30	0	0	0	0	0	0	0	60	0	0
136	Phra Khanong TC	PNTC	0	30	90	90	0	0	0	0	210	120	0	0	60	150	0
137	Lat Ya TC	LYTC	870	0	0	0	0	30	30	60	150	0	0	0	0	0	0
138	Lak Si International	LSIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Phra Khanong International	PNIT	0	0	30	0	0	0	0	0	30	0	0	0	0	0	0
140	Lat Ya International	LYIT	660	0	0	0	0	0	0	0	30	0	0	0	0	0	0
	Total		8,880	360	540	780	270	1,410	390	510	1,830	2,880	1,830	180	1,440	600	1,710

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (13/20)

NO	Switch Unit Name	ABBR	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1	Phloen Chit 3	PNC3	0	0	90	60	0	0	0	0	60	60	0	0	60	30	0
2	Asok Din Daeng 2	ASD2	0	0	30	30	0	0	0	0	30	30	0	0	30	30	0
3	Sukhumwit 1	SKW1	0	0	30	30	0	0	0	0	0	0	0	0	30	30	0
4	Samran Rat 4	SRR4	30	0	30	30	0	30	30	0	60	30	30	0	90	60	0
5	Krung Kasem 3	KKM3	0	0	0	0	0	0	0	0	60	30	30	0	0	0	0
6	Sansen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	0	30	30	0	0	0	0	0	0	0	0	30	30	0
9	Surawong 5	SRW5	30	0	60	30	0	0	0	0	0	0	0	0	30	30	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	30	30	0	0	60	30	0
11	Phra Khanong 2	PKG2	60	30	150	60	30	0	0	0	60	30	0	0	30	30	0
12	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Toc 1	KTI1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	0	0	30	60	0	0	0	0	30	0	0	0	0	0	0
19	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Ramkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
26	Samut Prakan 2	SPK2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Samut Prakan 3	SPK3	120	30	60	30	0	0	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	0	0	120	60	0	0	0	0	0	0	0	0	0	0	0
30	Bang Phli 1	BPL1	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	0	0	30	180	30	0	0	0	0	0	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	30	0	60	60	0	60	90	0	30	60	30	30	60	60	60
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	30	0	0	0	0	30	0	0
36	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	90	60	0	0	0	30	30	0
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	60	30	0	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	60	90	0	0	0	30	0	0
40	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	30	0	60	0	30	0	0	0
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	90	60	0
43	Muban Seetakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	90	120	0
44	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
45	Phra Pradaeng 2	PPG2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
46	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	0	0	30	30	0	0	0	0	30	30	0	0	30	0	0
50	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Lak Si T4	LKST4	0	0	60	60	0	30	0	0	30	60	30	0	60	60	0
62	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Phloen Chit 4	PNC4	0	0	60	30	0	0	0	0	60	60	0	0	30	30	0
70	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Sukhumwit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0