

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (14/20)

NO	Switch Unit Name	ABBR	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
			SPK4	BGU2	PSP3	BPL4	BBB2	TNB2	LTY2	PSN3	BGT4	BBT3	CSW3	BRE3	NGK2	MSK2	DKN3
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	30	0	60	60	0	0	30	0	30	30	0	0	60	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	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	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	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
87	Remkambaeng 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	30	0	0	0	0	0	0	0	0	0	0	0
89	Lai Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	0	0	30	60	0	0	0	0	0	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	0	30	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	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
94	Bang Phli 4	BPL4	0	0	60	0	30	0	0	0	0	0	0	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	0	0	0	30	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	Lai 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	0	0	0	0	0	0	0	0	60	0	0	0	30	30	0
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	60	0	0	0	30	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	0	0	0	0	0	0	0	0	0	0	90	0
104	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	150	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	0	0	30	0	0	30	30	0	0	0	0	0	60	60	60
108	Rai Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	0	0	0	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	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	Lai Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Lai 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	0	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	NIB3	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	0	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	Chaeng 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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	0	0	0	0	0	0	30	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	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	0	0	60	60	0	0	0	0	510	60	30	0	60	30	0
133	Phra Khanong TP	PNTP	420	180	510	540	210	0	0	0	30	0	0	0	0	0	0
134	Lai Ya TP	LYTP	30	0	60	60	0	420	390	210	30	450	540	330	570	600	390
135	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0
136	Phra Khanong TC	PNTC	90	30	240	240	30	0	0	0	0	0	0	0	0	0	0
137	Lai Ya TC	LYTC	0	0	0	0	0	30	60	30	180	0	60	30	60	60	30
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	0	0
140	Lai Ya International	LYIT	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0
	Total		960	300	2,070	2,220	360	660	660	270	1,560	1,410	810	420	1,830	1,530	570

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (15/20)

NO	Switch Unit Name	ABBR	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
			PPG3	EKC3	RBN2	PYT4	IFM3	BGN3	LTP1-3	LTP2-3	DNM3	TYB2	RST2	NWN2	BGS3	NWW3	NTB3
1	Phloen Chit 3	PNC3	0	60	0	210	30	0	30	0	60	0	0	30	0	30	0
2	Asok Din Daeng 2	ASD2	0	30	0	90	60	0	30	30	60	0	0	0	0	30	0
3	Sukhumwit 1	SKW1	0	30	0	30	0	0	0	0	30	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	90	30	60	30	0	0	0	30	0	0	0	0	0	0
5	Krung Kasem 3	KKM3	0	60	0	90	30	0	0	0	60	0	0	0	30	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	30	0	30	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	60	0	60	0	0	0	0	30	0	0	0	0	0	0
9	Surawong 5	SRW5	30	90	30	60	30	0	0	0	60	0	0	0	0	0	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	30	60	30	60	30	30	30	30	60	30	0	0	60	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	30	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 Toei 1	KTH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	0	30	0	30	30	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	Ramkaunhaeng 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	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	0	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	0	0	0	0	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	0	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	0	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	30	90	30	60	30	0	0	0	30	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	30	0	30	0	0	0	0	0	0	0	0	0	0	0
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Buc Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Bang Buc Thong 2	BBT2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	0	30	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DRN2	0	60	30	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	150	60	60	0	0	0	0	0	0	0	0	0	0	0	0
46	Ekkachai 1	EKC1	0	210	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	30	60	120	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	0	30	0	240	60	30	30	0	60	0	0	0	60	30	0
50	Inthamara 2	IFM2	0	0	0	30	60	0	0	0	0	0	0	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	30	0	60	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	60	0	30	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	30	0	0	0	0	240	60	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	60	30	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	30	0	30	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	30	0	0	60	30	0	0
58	Bang Su 2	BGS2	0	0	0	30	0	0	0	0	0	0	0	30	90	0	30
59	Ngam Wong Wan 2	NWW2	0	0	0	30	0	0	0	0	0	0	0	0	30	90	30
60	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	30	0	0	0	60	0	210
61	Lak Si T4	LKST4	30	60	30	90	60	30	30	0	60	30	0	0	30	30	30
62	Lak Si 2	LKS2	0	0	0	30	0	0	0	0	30	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	60	0	210	30	0	30	0	30	0	0	30	0	0	0
70	Asok Din Daeng 3	ASD3	0	0	0	60	30	0	0	0	30	0	0	0	0	0	0
71	Sukhumwit 2	SKW2	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	60	0	30	0	0	0	0	0	0	0	0	0	0	0

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (16/20)

NO	Switch Unit Name	ABBR	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
			PPG3	EKC3	RBN2	PYT4	ITM3	BGN3	LTP1-3	TP2-3	DNM3	TYB2	RST2	NWN2	BGS3	NWW3	NTB3
73	Krung Kasem 4	KKM4	0	30	0	30	0	0	0	0	30	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	30	90	30	90	30	0	30	0	60	0	0	0	0	0	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	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	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	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
87	Ramkamhaeng 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	0	0	0	0	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Bang Ne 4	BNA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Sarnut Prakan 4	SPK4	0	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	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Bang Phli 4	BPL4	0	0	0	0	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	30	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	30	0	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	30	0	60	0	0	0	0	0	0	0	0	0	0	0	0
108	Rai Buri 2	RBN2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	0	0	0	0	30	0	30	0	30	0	0	0	30	0	0
110	Inthamara 3	ITM3	0	0	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	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	0	30	0	0	0	0	60	0	0	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	30	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	30	0	0	0	30	0	0
118	Bang Su 3	BGS3	0	0	0	30	0	0	0	0	0	0	0	30	0	0	30
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	30	0	0
121	Lak Si 3	LKS3	0	0	0	30	0	0	0	0	60	0	0	0	0	0	0
122	Ram Inthra 3	RI3	0	0	0	30	0	0	0	0	30	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	Chaeng Watthana 2	CWT2	0	0	0	30	0	0	0	0	30	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
128	Phloen Chit T3	PNCT3	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	570	450	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	0	0	0	30	30	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	0	60	30	60	60	480	480	390	660	360	180	420	510	600	510
133	Phra Khanong TP	PNTP	0	30	0	30	30	0	0	0	30	0	0	0	30	30	0
134	Lat Ya TP	LYTP	480	660	540	60	30	0	0	0	30	0	0	0	0	0	0
135	Lak Si TC	LSTC	0	0	0	0	0	600	720	150	600	150	30	30	60	90	90
136	Phra Khanong TC	PNTC	0	0	0	300	90	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	90	90	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	30	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		960	2,790	1,110	3,180	1,320	1,230	1,500	630	2,760	720	240	660	1,080	960	960

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (17/20)

NO	Switch Unit Name	ABBR	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
			LKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	KKT1	PNC13	KK1P	FYTP
1	Phloen Chit 3	PNC3	0	30	0	0	0	0	30	30	0	0	0	0	180	0	0
2	Asok Din Daeng 2	ASD2	30	30	0	0	0	30	0	0	0	0	0	0	30	0	0
3	Sukhumvit 1	SKW1	0	0	0	0	0	0	0	0	0	0	0	0	210	30	0
4	Samran Rat 4	SRR4	0	0	0	0	0	30	30	0	0	0	0	0	0	0	0
5	Krung Kasem 3	KKM3	30	0	30	0	0	30	30	0	0	0	30	90	90	90	30
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	210	60	0	30
7	Pathum Wan 2	PTW2	0	0	0	0	0	0	0	0	0	0	0	240	60	0	0
8	Surawong 4	SRW4	0	0	0	0	0	0	0	0	0	0	30	0	180	30	30
9	Surawong 5	SRW5	30	0	0	0	0	30	30	0	0	0	30	30	180	0	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
11	Phra Khanong 2	PKG2	30	60	30	0	0	30	0	90	0	0	30	60	90	60	60
12	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
13	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	240	60	0	30
14	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	30	240	0	30
15	Sahupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	30	210	0	0
16	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	30	270	30	0
17	Khlong Toei 1	KTH1	0	0	0	0	0	0	0	0	0	0	0	240	30	30	0
18	Hua Mak 2	HAM2	0	30	0	0	0	0	0	0	0	0	0	0	0	30	0
19	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
20	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	30	60	0	30
21	Rainkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	0	30	60	30	30
22	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	30	60	30	30
23	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
24	Bang Na 2	BN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
25	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
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	0	0	0	0	0	0	0	0	30	30	0	30
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
29	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
31	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
33	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
34	Lat Ya T8	LTYT8	0	0	0	0	0	0	0	90	0	30	60	90	30	60	0
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
36	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
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	0	0	0	0	0	0	0	0	30	30	30	30
40	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	30	0	30	30
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
42	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
43	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
44	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	60	30	0
45	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
46	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
47	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
48	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
49	Phahonyothin T2	PYT2	30	30	30	0	0	60	30	0	0	60	30	30	90	60	60
50	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0
51	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
52	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
54	Don Muang 2	DNM2	30	0	30	0	0	0	0	0	0	0	0	0	60	30	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	30	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	30	30	60	0
59	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
60	Nonthaburi 2	NTB2	0	0	30	0	0	0	0	0	0	30	0	0	60	30	30
61	Lak Si T4	LKST4	90	30	30	30	0	60	0	30	30	90	60	30	90	90	60
62	Lak Si 2	LKS2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	60	0	0	0	0	0	0	0	0	0	0	30	0	0
64	Ram Inthra 2	RIT2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	0	0	120	90	0	0	0	0	0	0	0	0	60	30	30
66	Pathum Thani 1	PTT1	0	0	60	60	0	0	0	0	0	0	0	0	30	0	0
67	Bang Phun 1	BAN1	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	0	0	60	0	0	0	0	0	0	60	30	30
69	Phloen Chit 4	PNC4	0	0	0	0	0	30	30	0	0	0	0	0	60	0	0
70	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	30	0	0	0	0	0	60	30	150
71	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
72	Samran Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	0	0	0	270	0

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (18/20)

NO	Switch Unit Name	ABBR	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
			LKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	RKT1	PNCT3	KKTP	PYTP
73	Krung Kasem 4	KKM4	0	0	0	0	0	0	30	0	0	0	0	60	0	510	0
74	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	30	270	30
75	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	0	0	0	0	0	30	270	30
76	Surawong 6	SRW6	30	0	0	0	0	30	30	0	0	0	30	0	0	0	0
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
79	On Nut 2	ONI2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	30	210	0
81	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30
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	30	0	0	0
84	Khlong Toei 1	KT12	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
85	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	0	0	60	60	30
86	Khlong Chan 4	KGC4	0	30	0	0	0	0	0	0	0	0	0	0	0	30	0
87	Ramkamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	0	30	0	0	0	0	0	0	0	0	0	30	30	30	30
89	Lai Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
90	Bang Na 4	BNA4	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
91	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	0	0	60	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	0	0	0	0	0	0	0	0	0	0	30	30
94	Bang Phli 4	BPL4	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
95	Bang Phli Bang Bo 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
97	Lai Ya 2	LY2	0	0	0	0	0	0	0	0	30	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	0	0	0	0	0	0	0	0	30	30	60	30
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
101	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
103	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
104	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	60	30	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	30	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	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
108	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
109	Phahonyothin 4	PYT4	30	0	0	0	0	30	0	0	0	0	0	0	0	0	390
110	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	0	0	30	30	270
111	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
112	Lai Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
113	Lai Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
114	Don Muang 3	DNM3	30	0	30	0	0	30	0	0	0	0	0	0	30	30	30
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	30	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	30	30	30	0
119	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
120	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0
121	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
123	Pak Kret 2	PKK2	0	0	0	90	0	0	0	0	0	0	0	0	60	30	30
124	Pathum Thani 2	PTT2	0	0	60	0	0	0	0	0	0	0	0	0	30	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	0	0	0	0	0	0	0	0	0	0	30	0
127	Krung Kasem T1	KKT1	0	0	0	0	0	0	30	30	0	0	30	0	90	60	60
128	Phloen Chit T3	PNCT3	0	0	0	0	0	0	60	60	0	0	30	90	0	60	60
129	Krung Kasem TP	KKTP	0	0	0	0	0	0	30	30	0	0	30	60	90	0	30
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	30	0	0	60	30	60	90	60	0
131	Phloen Chit TP	PLTP	0	0	0	0	0	0	60	30	0	0	30	60	90	90	30
132	Lak Si TP	LSTP	540	630	570	510	150	540	0	30	30	90	30	30	120	90	60
133	Phra Khanong TP	PNTP	30	30	0	0	0	0	0	90	0	0	30	60	90	90	60
134	Lai Ya TP	LYTP	0	0	0	0	0	0	0	0	60	0	30	60	120	30	30
135	Lak Si TC	LSTC	360	60	90	60	0	90	0	0	0	0	0	60	0	30	0
136	Phra Khanong TC	PNTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
137	Lai Ya TC	LYTC	0	0	0	0	0	0	0	0	0	0	0	30	60	0	0
138	Lak Si International	LSIT	60	0	0	0	0	0	0	0	0	0	0	60	0	60	0
139	Phra Khanong International	PNIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
140	Lai Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0
	Total		1,410	1,110	1,110	840	180	1,110	480	420	240	390	510	2,610	5,970	3,990	2,970

13-4 The Number of Circuits Between Exchanges in BMA in 2002 (19/20)

NO	Switch Unit Name	ABBR	136	137	138	139	140	141	142	143	144	145	Total
			PLTP	LSTP	PNTP	LYTP	LSTC	PNTC	LYTC	LSIT	PNTI	LYIT	
1	Phloen Chit 3	PNC3	60	150	0	150	0	0	450	0	0	300	7,440
2	Asok Din Daeng 2	ASD2	30	150	60	150	0	150	0	0	30	0	5,100
3	Sukhumwit 1	SKW1	0	180	60	60	0	0	150	0	0	60	2,610
4	Samran Rat 4	SRR4	0	210	60	60	330	0	0	90	0	0	5,490
5	Krung Kasem 3	KKM3	90	150	120	120	210	0	0	60	0	0	4,170
6	Samsen 2	SMS2	0	0	30	30	60	0	0	0	0	0	1,200
7	Pathum Wan 2	PTW2	60	90	60	60	180	0	0	0	0	0	2,190
8	Surawong 4	SRW4	0	180	60	150	0	0	240	0	0	240	4,650
9	Surawong 5	SRW5	0	180	60	90	0	0	390	0	0	600	6,990
10	Chaiyaphruk 2	CYP2	30	0	90	30	0	90	0	0	30	0	1,200
11	Phra Khanong 2	PKC2	90	150	150	120	0	240	0	0	180	0	12,960
12	On Nut 1	ONT1	60	0	0	30	0	30	0	0	0	0	810
13	Trok Chan 2	TRC2	30	30	60	60	30	0	0	0	0	0	1,170
14	Thung Mahamek 2	TMM2	0	30	30	30	0	0	60	0	0	0	840
15	Sathupradit 2	STD2	30	30	30	30	0	0	30	0	0	0	630
16	Thanon Tok 2	TNT2	0	30	30	60	0	0	90	0	0	0	1,050
17	Khlong Toei 1	KTI1	0	60	150	60	0	0	90	0	0	30	1,590
18	Hua Mak 2	HAM2	30	180	0	90	0	240	0	0	30	0	3,420
19	Khlong Chan 2	KGC2	0	90	60	30	0	30	0	0	0	0	1,140
20	Khlong Chan 3	KGC3	30	60	0	30	0	30	0	0	0	0	930
21	Ramkamhaeng 1	RKN1	30	30	0	0	0	30	0	0	0	0	450
22	Bang Chan 1	BGC1	30	60	60	30	30	0	0	0	0	0	1,050
23	Lat Krabang 1	LKG1	60	0	0	0	0	30	0	0	0	0	570
24	Bang Na 2	BN2	30	0	0	30	0	30	0	0	0	0	990
25	Bang Na 3	BNA3	60	0	60	30	0	60	0	0	0	0	1,110
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	300
27	Samut Prakan 3	SPK3	30	30	0	30	0	60	0	0	0	0	1,230
28	Bang Pu 1	BGU1	30	0	0	0	0	30	0	0	0	0	450
29	Pu Chao Saming Phrai 2	PSP2	0	0	0	60	0	60	0	0	30	0	1,530
30	Bang Phli 1	BPL1	30	0	0	0	0	30	0	0	0	0	600
31	Bang Phli 2	BPL2	0	0	60	30	0	60	0	0	0	0	1,410
32	Bang Phli Bang Bo 1	BBB1	30	0	0	0	0	0	0	0	0	0	330
33	Thon Buri 1	TNB1	30	30	30	90	0	0	30	0	0	0	900
34	Lat Ya T8	LTYT8	90	180	120	180	0	0	180	0	0	120	11,400
35	Phasi Charoen 2	PSN2	30	30	0	60	0	0	30	0	0	0	540
36	Bang Phlat 2	BGT2	30	150	60	60	0	0	60	0	0	0	1,860
37	Bang Phlat 3	BGT3	30	30	30	0	0	0	30	0	0	0	1,050
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	240
39	Bang Bue Thong 2	BBT2	0	0	60	60	60	0	0	0	0	0	1,560
40	Charan Sanitwong 2	CSW2	30	60	30	0	0	0	60	0	0	0	1,170
41	Bang Khac 2	BKE2	30	30	0	0	0	0	30	0	0	0	450
42	Nong Khaem 1	NGK1	0	30	0	30	0	0	90	0	0	0	1,230
43	Muban Setaikit 1	MSK1	30	30	0	0	0	0	90	0	0	0	1,020
44	Dao Khanong 2	DKN2	30	30	0	0	0	0	30	0	0	0	900
45	Phra Pradaeng 2	PPG2	0	60	60	60	0	0	90	0	0	0	1,530
46	Ekkachai 1	EKC1	30	30	0	120	0	0	30	0	0	0	1,080
47	Ekkachai 2	EKC2	30	30	0	90	0	0	30	0	0	0	1,020
48	Rat Burana 1	RBN1	30	0	0	0	0	0	0	0	0	0	1,230
49	Phahonyothin T2	PYT2	60	210	120	120	0	270	0	0	60	0	6,840
50	Inthamara 2	ITM2	0	0	30	30	0	60	0	0	0	0	1,200
51	Bang Khen 2	BGN2	30	150	30	30	60	0	0	0	0	0	1,230
52	Lat Phrao 1-2	LTP1-2	30	150	60	30	60	0	0	0	0	0	1,320
53	Lat Phrao 2-2	LTP2-2	60	0	30	30	30	0	0	0	0	0	840
54	Don Muang 2	DNM2	30	210	0	0	90	0	0	30	0	0	1,950
55	Thanyaburi 1	TYB1	30	30	0	0	30	0	0	0	0	0	960
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	270
57	Nawa Nakhon 1	NWN1	0	0	0	0	30	0	0	30	0	0	660
58	Bang Su 2	BGS2	30	180	60	60	210	0	0	0	0	0	1,800
59	Ngam Wong Wan 2	NWW2	0	180	30	0	60	0	0	0	0	0	1,410
60	Nonhlaburi 2	NTB2	60	150	30	60	90	0	0	0	0	0	1,800
61	Lak Si T4	LKST4	90	210	180	120	240	60	0	120	30	0	15,810
62	Lak Si 2	LKS2	0	150	0	0	90	0	0	30	0	0	1,140
63	Ram Inthra 1	RIT1	0	0	30	0	0	0	0	0	0	0	420
64	Ram Inthra 2	RIT2	0	0	0	0	0	0	0	0	0	0	450
65	Pak Kret 1	PKK1	0	0	0	0	60	0	0	0	0	0	1,020
66	Pathum Thani 1	PTT1	0	30	0	0	30	0	0	0	0	0	660
67	Bang Phun 1	BAN1	0	30	0	0	0	0	0	0	0	0	240
68	Chaeng Watthana 1	CWT1	30	150	0	0	30	0	0	0	0	0	810
69	Phloen Chit 4	PNC4	240	180	0	150	0	0	420	0	0	300	6,660
70	Asok Din Daeng 3	ASD3	60	210	60	150	0	180	0	0	30	0	2,880
71	Sukhumwit 2	SKW2	330	0	90	30	0	0	90	0	0	30	1,680
72	Samran Rat 5	SRR5	30	150	90	150	180	0	0	60	0	0	2,580

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

NO	Switch Unit Name	ABBR	136	137	138	139	140	141	142	143	144	145	Total
			PLTP	LSTP	PNTP	LYTP	LSTC	PNTC	LYTC	LSIT	PNIT	LYIT	
73	Krung Kasem 4	KKM4	0	180	0	0	90	0	0	0	0	0	1,860
74	Samsen 3	SMS3	30	0	0	30	60	0	0	0	0	0	1,230
75	Pathum Wan 3	PTW3	0	0	30	30	90	0	0	0	0	0	1,020
76	Surawong 6	SRW6	150	210	90	90	0	0	510	0	0	750	6,550
77	Chaiyaphruk 3	CYP3	30	0	210	0	0	30	0	0	0	0	360
78	Phra Khanong 3	PKG3	0	0	360	0	0	60	0	0	60	0	630
79	On Nut 2	ONT2	60	0	390	0	0	30	0	0	0	0	660
80	Trok Chan 3	TKC3	30	0	0	0	0	0	0	0	0	0	330
81	Thung Mahamek 3	TMM3	240	30	30	30	0	0	60	0	0	0	840
82	Sathupradit 3	STD3	210	0	0	30	0	0	0	0	0	0	330
83	Thanon Tok 3	TNT3	210	0	0	30	0	0	30	0	0	0	510
84	Khlong Toei 1	KT12	240	90	90	60	0	0	90	0	0	30	1,890
85	Hua Mak 3	HAM3	30	180	240	60	0	180	0	0	30	0	2,730
86	Khlong Chan 4	KGC4	30	150	270	60	0	90	0	0	0	0	1,800
87	Ramkhamhaeng 2	RKN2	0	0	150	0	0	0	0	0	0	0	180
88	Bang Chan 2	BGC2	30	240	60	30	60	0	0	0	0	0	1,560
89	Lai Krabang 2	LKG2	0	0	240	0	0	30	0	0	0	0	720
90	Bang Na 4	BNA4	0	0	360	60	0	150	0	0	30	0	1,770
91	Sarnut Prakan 4	SPK4	60	30	240	30	0	60	0	0	0	0	900
92	Bang Pu 2	BGU2	0	0	210	0	0	0	0	0	0	0	300
93	Pu Chao Saming Phrai 3	PSP3	30	150	270	60	0	150	0	0	60	0	2,220
94	Bang Phli 4	BPL4	30	0	330	60	0	150	0	0	30	0	2,040
95	Bang Phli Bang Bo 2	BBB2	30	0	180	0	0	0	0	0	0	0	360
96	Thon Buri 2	TNB2	30	0	0	270	0	0	0	0	0	0	480
97	Lat Ya 2	LTY2	0	0	0	330	0	0	60	0	0	30	690
98	Phasi Charoen 3	PSN3	0	0	0	210	0	0	30	0	0	0	270
99	Bang Phlat 4	BGT4	30	270	60	60	0	0	90	0	0	0	1,680
100	Bang Bue Thong 3	BBT3	30	60	60	420	60	0	0	0	0	0	1,410
101	Charan Sanitwong 3	CSW3	30	30	30	240	0	0	30	0	0	0	810
102	Bang Khae 3	BKE3	0	0	0	270	0	0	30	0	0	0	420
103	Nong Khaem 2	NGK2	30	30	0	300	0	0	150	0	0	0	1,500
104	Muban Sattakit 2	MSK2	30	30	0	270	0	0	90	0	0	0	1,230
105	Dao Khanong 3	DKN3	30	0	0	270	0	0	0	0	0	0	510
106	Phra Pradaeng 3	PPG3	30	30	60	390	0	0	60	0	0	0	1,080
107	Ekkachai 3	EKC3	30	150	0	300	0	0	180	0	0	0	2,880
108	Rat Burana 2	RBN2	30	0	0	330	0	0	30	0	0	0	1,020
109	Phahonyothin 4	PYT4	0	210	0	0	0	180	0	0	30	0	3,150
110	Inthamara 3	ITM3	30	150	30	30	0	60	0	0	0	0	1,200
111	Bang Khen 3	BGN3	30	210	30	0	30	0	0	0	0	0	690
112	Lat Phrao 1-3	LTP1-3	60	210	30	30	30	0	0	0	0	0	780
113	Lat Phrao 2-3	LTP2-3	30	210	30	30	0	0	0	0	0	0	540
114	Don Muang 3	DNM3	30	540	0	0	180	0	0	30	0	0	2,370
115	Thanyaburi 2	TYB2	0	210	0	0	30	0	0	0	0	0	630
116	Rangsit 2	RST2	0	150	0	0	0	0	0	0	0	0	210
117	Nawa Nakhon 2	NWN2	0	300	0	0	30	0	0	30	0	0	720
118	Bang Su 3	BGS3	30	360	60	60	240	0	0	0	0	0	1,680
119	Ngam Wong Wan 3	NWW3	30	330	30	0	60	0	0	0	0	0	990
120	Nonthaburi 3	NTB3	30	300	30	30	60	0	0	0	0	0	1,050
121	Lak Si 3	LKS3	0	570	0	0	120	0	0	60	0	0	1,470
122	Ram Inthra 3	RIT3	30	420	30	30	60	0	0	0	0	0	1,170
123	Pak Kret 2	PKK2	0	330	0	0	60	0	0	0	0	0	1,050
124	Pathum Thani 2	PTT2	30	300	0	0	30	0	0	0	0	0	810
125	Bang Phun 2	BAN2	0	120	0	0	0	0	0	0	0	0	180
126	Chaeng Watthana 2	CWT2	30	420	0	0	30	0	0	0	0	0	1,050
127	Krung Kasem T1	KKT1	90	150	90	90	30	0	30	60	0	30	2,550
128	Phloen Chit T3	PNCT3	90	60	180	120	0	0	30	0	0	30	5,730
129	Krung Kasem TP	KKTP	120	150	120	120	60	0	0	60	0	0	3,870
130	Phahonyothin TP	PYTP	90	0	150	150	0	30	0	0	60	0	2,730
131	Phloen Chit TP	PLTP	0	180	150	120	0	0	60	0	0	60	5,010
132	Lak Si TP	LSTP	90	0	150	150	150	0	0	90	0	30	13,050
133	Phra Khanong TP	PNTP	90	180	0	180	0	90	0	0	90	0	7,950
134	Lat Ya TP	LYTP	120	210	90	0	30	0	120	30	0	90	8,850
135	Lak Si TC	LSTC	0	150	0	0	0	0	0	0	0	0	8,220
136	Phra Khanong TC	PNTC	0	0	90	0	0	0	0	0	0	0	4,800
137	Lat Ya TC	LYTC	60	0	0	120	0	0	0	0	0	0	6,000
138	Lak Si International	LSIT	0	90	0	30	0	0	0	0	0	0	750
139	Phra Khanong International	PNIT	0	0	120	0	0	0	0	0	0	0	660
140	Lat Ya International	LYIT	30	30	0	90	0	0	0	0	0	0	2,430
	Total		5,280	13,560	7,890	9,090	3,780	3,060	4,470	780	810	2,730	296,520

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	180	90	240	0	30	180	540	360	60	180	0	60	90	30
2	Asok Din Daeng 2	ASD2	180	0	30	150	0	30	60	150	90	30	210	0	0	30	0
3	Sukhumvit 1	SKW1	150	30	0	90	0	0	30	150	90	30	180	0	0	30	0
4	Samran Rat 4	SRR4	300	150	30	0	150	60	150	360	270	30	210	0	30	60	30
5	Krung Kasem 3	KKM3	240	150	30	330	0	60	60	240	150	0	180	0	30	30	0
6	Samsen 2	SMS2	30	30	270	30	0	0	0	30	0	0	30	0	0	0	0
7	Pathum Wan 2	PTW2	150	60	0	150	0	0	0	240	180	0	180	0	0	30	0
8	Surawong 4	SRW4	450	150	60	300	0	0	270	0	570	60	150	0	60	90	30
9	Surawong 5	SRW5	300	90	30	210	0	0	210	570	0	30	150	0	30	60	30
10	Chaiyaphruk 2	CYP2	30	0	0	30	0	0	0	30	30	0	360	0	0	0	0
11	Phra Khanong 2	PKG2	60	60	60	180	30	60	180	90	120	660	0	420	90	60	60
12	On Nut 1	ONT1	30	0	0	0	0	0	0	30	0	0	480	0	0	0	0
13	Trok Chan 2	TKC2	60	0	0	60	0	0	30	90	60	0	60	0	0	30	30
14	Thung Mahamek 2	TMM2	30	0	0	30	0	0	0	60	30	0	60	0	0	0	0
15	Sathupradit 2	STD2	0	0	0	0	0	0	0	30	30	0	60	0	0	0	0
16	Thanon Tok 2	TNT2	30	0	0	30	0	0	30	60	60	0	60	0	0	0	0
17	Khlong Toei 1	KT11	90	30	0	60	0	0	30	120	60	0	180	0	0	30	0
18	Hua Mak 2	HAM2	180	90	30	90	0	30	60	150	90	60	390	0	0	30	0
19	Khlong Chan 2	KGC2	30	0	0	30	0	0	0	30	0	0	240	0	0	0	0
20	Khlong Chan 3	KGC3	30	0	0	30	0	0	0	30	30	0	330	0	0	0	0
21	Ramkamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0
22	Bang Chan 1	BGC1	30	30	0	30	0	0	0	30	30	0	150	0	0	0	0
23	Lat Krabang 1	LKG1	30	0	0	0	0	0	0	30	0	0	300	60	0	0	0
24	Bang Na 2	BN2	30	0	0	0	0	0	0	30	0	0	360	0	0	0	0
25	Bang Na 3	BNA3	30	0	0	30	0	0	0	60	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	60	0	0	30	0	0	0	60	30	0	390	0	0	0	0
28	Bang Pu 1	BGU1	0	30	0	0	0	0	0	0	0	0	270	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	30	0	0	30	0	0	0	60	60	0	450	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	60	0	0	30	0	0	30	60	30	0	480	0	0	0	0
32	Bang Phli Bang Ho 1	BBB1	0	0	0	0	0	0	0	0	0	0	240	0	0	0	0
33	Thon Buri 1	TNB1	30	0	0	60	0	0	0	30	30	0	60	0	0	0	0
34	Lat Ya T8	LTYT8	30	60	30	90	30	60	150	90	60	0	210	0	90	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	60	30	0	90	0	0	0	0
37	Bang Phlat 3	BGT3	30	0	0	60	0	0	0	30	30	0	60	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	90	0	0	30	60	30	0	90	0	0	0	0
40	Charan Sanitwong 2	CSW2	30	30	0	60	0	0	0	30	30	0	60	0	0	0	0
41	Bang Khae 2	BKE2	0	0	0	30	0	0	0	30	0	0	30	0	0	0	0
42	Nong Khaem 1	NGK1	0	0	0	30	480	0	0	30	0	0	30	0	0	0	0
43	Muban Sattakit 1	MSK1	30	0	0	60	0	0	0	30	30	0	30	0	0	0	0
44	Dao Khanong 2	DKN2	30	0	0	60	0	0	0	30	30	0	60	0	0	0	0
45	Phra Pradaeng 2	PPG2	60	30	0	90	0	0	30	60	60	0	150	0	0	0	0
46	Ekkachai 1	EKC1	0	0	0	30	0	0	0	30	0	0	30	0	0	0	0
47	Ekkachai 2	EKC2	0	0	0	30	0	0	0	30	30	0	30	0	0	0	0
48	Rat Burana 1	RBN1	30	0	0	60	0	0	0	60	30	0	90	0	0	0	0
49	Phahonyothin T2	PYT2	300	960	30	210	150	60	90	240	180	30	180	0	30	30	0
50	Inthamara 2	ITM2	30	0	0	0	0	0	0	0	0	0	60	0	0	0	0
51	Bang Khen 2	BGN2	30	30	0	30	0	0	0	30	0	0	60	150	0	0	0
52	Lat Phrao 1-2	LTP1-2	60	30	0	30	0	0	0	30	30	0	60	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	30	0	0	30	0	0	0	30	0	0	60	0	0	0	0
54	Don Muang 2	DNM2	60	30	0	30	0	0	0	60	30	0	90	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	450	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	30	0	0	30	0	0	0	0
58	Bang Su 2	BGS2	60	30	0	60	0	30	0	60	30	0	90	0	0	0	0
59	Ngam Wong Wan 2	NWW2	30	30	0	30	0	0	0	30	30	0	60	0	0	0	0
60	Nonthaburi 2	NTB2	60	60	0	90	0	60	30	60	30	0	150	0	0	0	0
61	Lak Si T4	LKST4	30	60	30	120	30	90	150	60	60	30	210	0	60	60	0
62	Lak Si 2	LKS2	30	30	0	30	0	0	0	60	30	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	90	0	0	0	0	0	0	30	0	0	0	0
65	Pak Kret 1	PKK1	0	0	0	30	0	0	0	30	0	0	60	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	30	0	0	0	0	0	0	30	0	0	30	0	0	0	0
69	Phloen Chit 4	PNC4	540	120	60	180	0	30	120	390	270	60	210	0	60	60	0
70	Asok Din Daeng 3	ASD3	210	270	30	180	0	30	60	210	150	30	150	0	0	30	0
71	Sukhumvit 2	SKW2	90	30	60	60	0	0	30	90	60	30	150	0	0	0	0
72	Samran Rat 5	SRR5	90	30	0	240	0	0	30	150	90	0	90	0	0	0	0



13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	KKM3	SMS2	PTW2	SRW4	SRW5	CYP2	PKG2	ONT1	TKC2	TMM2	STD2
73	Krung Kasem 4	KKM4	60	30	0	120	120	0	30	90	60	0	0	0	0	0	0
74	Samsen 3	SMS3	0	0	360	30	0	60	0	0	0	0	0	0	0	0	0
75	Pathum Wan 3	PTW3	30	0	0	60	0	0	60	60	30	0	60	0	0	0	0
76	Surawong 6	SRW6	390	150	60	270	0	0	270	750	540	30	180	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	30	0	30	0	0
81	Thung Mahamek 3	TMM3	30	0	0	0	0	0	0	60	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	30	0	0	30	0	0	0	0
84	Khleng Toei 1	KT1	90	30	0	60	0	0	30	90	60	0	180	0	0	30	0
85	Hua Mak 3	HAM3	90	60	0	60	0	0	30	90	60	30	180	0	0	0	0
86	Khleng Chan 4	KGC4	60	30	0	30	0	0	0	60	30	0	90	0	0	0	0
87	Ramkhamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	30	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	Lai Krabang 2	LKG2	30	0	0	0	0	0	0	30	0	0	60	60	0	0	0
90	Bang Na 4	BNA4	30	0	0	30	0	0	0	60	30	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 Cheo Saming Phrai 3	PSP3	60	30	0	30	0	0	30	90	60	0	180	0	0	0	0
94	Bang Phli 4	BPL4	30	0	0	30	0	0	0	60	30	0	150	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	Ithon Buri 2	INB2	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
97	Lai Ya 2	LTY2	0	0	0	30	0	0	0	30	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 Phlet 4	BGT4	30	30	0	60	0	0	0	30	30	0	0	0	0	0	0
100	Bang Bue Thong 3	BBT3	30	0	0	60	0	0	0	30	30	0	0	0	0	0	0
101	Charan Sanitwong 3	CSW3	0	0	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	420	0	0	30	0	0	30	0	0	0	0
104	Muban Sattakit 2	MSK2	30	0	0	60	0	0	0	30	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	30	30	0	90	0	0	0	0
107	Ekkachai 3	EKC3	60	30	0	90	0	0	30	90	60	0	150	0	0	0	0
108	Rat Burana 2	RBN2	0	0	0	30	0	0	0	30	30	0	60	0	0	0	0
109	Phahonyothin 4	PYT4	180	60	0	90	0	30	30	150	90	0	180	0	0	0	0
110	Inthamara 3	ITM3	30	30	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	Lai Phrao 1-3	LTP1-3	30	0	0	0	0	0	0	30	0	0	60	0	0	0	0
113	Lai 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	30	0	30	0	0	0	60	30	0	90	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	210	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	30	0	0	30	0	0	0	0
118	Bang Su 3	BGS3	30	30	0	30	0	0	0	30	30	0	60	0	0	0	0
119	Ngarn Wong Wan 3	NWW3	30	0	0	0	0	0	0	0	0	0	60	0	0	0	0
120	Nonthaburi 3	NFB3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
121	Lak Si 3	LKS3	30	0	0	30	0	0	0	60	30	0	0	0	0	0	0
122	Ram Inthra 3	RT3	30	30	0	0	0	0	0	30	0	0	0	0	0	0	0
123	Pak Kret 2	PKK2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
124	Pathum Thani 2	PTT2	0	0	0	0	0	0	0	0	0	0	0	60	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	30	0	0	60	0	0	0	0
127	Krung Kasem T1	KKT1	0	0	0	240	0	330	360	0	0	0	90	0	300	0	0
128	Phloen Chit T3	PNCT3	690	0	450	0	0	60	0	480	540	0	60	0	60	480	390
129	Krung Kasem TP	KKTP	30	0	30	0	0	0	0	0	0	0	180	0	0	30	0
130	Phahonyothin TP	PYTP	0	0	30	0	0	0	0	0	0	0	120	0	0	30	0
131	Phloen Chit TP	PLTP	60	0	0	0	0	30	0	0	30	0	60	0	30	0	30
132	Lak Si TP	LSTP	30	60	30	150	0	90	90	60	90	30	180	0	30	60	0
133	Phra Khanong TP	PNTP	30	60	30	90	0	60	90	60	60	0	210	0	60	30	0
134	Lai Ya TP	LYTP	30	30	30	90	0	30	90	30	30	0	180	0	60	60	30
135	Lak Si TC	LSTC	0	0	0	870	480	120	390	0	0	0	0	0	120	0	0
136	Phra Khanong TC	PNTC	0	330	0	0	0	0	0	0	0	30	300	180	0	0	0
137	Lai Ya TC	LYTC	840	0	120	0	0	0	0	870	720	0	0	0	0	60	90
138	Lak Si International	LSIT	0	0	0	150	90	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	180	0	0	0	0
140	Lai Ya International	LYIT	330	0	60	0	0	0	0	630	540	0	0	0	0	0	0
	Total		8,340	4,080	2,070	7,440	2,640	1,440	3,570	9,900	7,140	1,320	14,700	1,110	1,290	1,770	840

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (3/20)

NO	Switch Unit Name	ABBR	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Phloen Chit 3	PNC3	30	60	210	30	30	0	30	30	30	60	0	30	0	60	0
2	Asok Din Daeng 2	ASD2	0	30	90	0	0	0	0	0	0	0	0	0	0	0	0
3	Sukhumwit 1	SKW1	0	30	60	0	0	0	0	0	0	0	0	0	0	0	0
4	Samran Rat 4	SRR4	60	60	90	30	0	0	30	0	0	0	0	30	0	0	0
5	Krung Kasem 3	KKM3	0	0	60	0	0	0	30	0	0	30	0	30	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	30	30	60	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	60	90	150	30	0	0	30	0	30	30	0	60	30	60	0
9	Surawong 5	SRW5	60	60	90	0	0	0	0	0	0	30	0	60	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	60	90	780	570	540	450	0	480	570	720	180	600	450	720	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	30	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	30	0	180	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	30	0	0
18	Hua Mak 2	HAM2	30	30	0	60	30	30	30	0	0	30	0	60	0	30	0
19	Khlong Chan 2	KGC2	0	0	30	0	60	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	60	60	0	0	0	0	0	0	0	0	0	0	0
21	Ramkamhaeng 1	RKN1	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	0	0	60	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	30	0	0	0	0	0	60	0	0	0	0	30	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	30	30	0	0	0	0	0	30	60	0	150	90	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	150	0	30	0
29	Pu Chao Saming Phrai 2	PSP2	0	0	30	0	150	0	0	0	30	0	30	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	60	0	0	0	0	0	30	30	0	30	0	60	90
32	Bang Phli Bang Ho 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	LYT8	60	60	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	30	0	0	0	0	0	150	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	30	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 Khao 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 Pradaeng 2	PPG2	30	0	0	0	0	0	0	0	0	0	0	30	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	30	60	150	30	30	0	30	0	0	30	0	30	0	30	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	Lai Phrao 1-2	LTP1-2	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0
53	Lai Phrao 2-2	LTP2-2	0	0	30	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	Nonhlaburi 2	NTB2	0	0	60	30	30	0	0	0	0	0	0	0	0	0	0
61	Lak Si T4	LKST4	30	60	90	60	30	0	720	0	0	30	0	30	0	30	0
62	Lak Si 2	LKS2	0	0	30	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	0	30	0	0	0	60	0
70	Asok Din Daeng 3	ASD3	0	30	150	30	0	0	30	0	0	30	0	30	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

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	BPL1
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	0	0	0	30	0	0	30	0	60	30	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	Thanon Tok 3	TNT3	60	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	30	0	0	0
85	Hua Mak 3	HAM3	0	0	300	30	0	0	30	0	0	0	0	30	0	0	0
86	Khlong Chan 4	KGC4	0	0	90	60	60	30	30	0	0	0	0	0	0	0	0
87	Ramkamhaeng 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	210	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	90	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	180	60	30	0
92	Bang Pu 2	BGU2	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0
93	Pu Chao Saming Phrai 3	PSP3	0	0	30	0	0	0	0	0	0	0	0	60	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	30	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	30	0	0	0	0	0	0	0	30	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	30	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	Chang 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	450	480	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	60	90	60	30	30	0	0	0	60	0	30	0	30	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	30	30	0	0	0	0	0	0	0	0	0	0	0	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	360	30	90	30	0	60	60	150	30	270	90	210	30
137	Lat Ya TC	LYTC	150	150	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		1,440	1,860	4,620	1,170	1,320	600	1,290	660	1,020	1,560	360	2,130	870	1,920	630

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	60	0	60	150	0	60	60	0	90	30	30	60	30	30	30
2	Asok Din Daeng 2	ASD2	0	0	30	180	0	30	0	0	30	30	0	0	0	0	0
3	Sukhumvit 1	SKW1	30	0	0	150	0	0	0	0	0	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	0	90	90	0	60	60	0	60	60	60	150	90	60	90
5	Krung Kasem 3	KKM3	30	0	30	180	0	60	60	0	60	60	30	0	0	0	0
6	Samsen 2	SMS2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	30	0	0	180	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	60	0	60	60	0	30	30	0	30	30	30	60	60	30	60
9	Surawong 5	SRW5	30	0	30	150	0	30	0	0	30	0	0	30	30	30	60
10	Chaiyaphruk 2	CYP2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	750	330	0	210	0	0	0	0	30	30	0	0	0	0	0
12	On Nut 1	ONT1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
13	Trok Chan 2	TKC2	0	0	0	180	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	Tharoen Tok 2	TNT2	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Toei 1	KT11	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HAM2	60	0	0	210	0	30	30	0	30	0	0	0	0	0	0
19	Khlong Chan 2	KGC2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
20	Khlong Chan 3	KGC3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
21	Ramkamhaeng 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	60	0	0	0	0	0	0	0	0	0	0	0
23	Lat Krabang 1	LKG1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
24	Bang Na 2	BN2	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	60	0	0	60	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	60	0	0	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
29	Pu Chao Saming Phrai 2	PSP2	60	0	0	90	0	0	0	0	0	0	0	0	0	0	30
30	Bang Phli 1	BPL1	90	0	0	30	0	0	0	0	0	0	0	0	0	0	0
31	Bang Phli 2	BPL2	0	30	0	120	0	0	0	0	0	0	0	0	0	0	0
32	Bang Phli Bang Bo 1	BBB1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Thon Buri 1	TNB1	0	0	0	390	0	0	0	0	30	30	30	30	30	30	0
34	Lat Ya T8	LTYT8	0	0	720	0	480	690	540	0	30	600	600	630	690	600	690
35	Phasi Charoen 2	PSN2	0	0	0	300	0	0	0	0	0	0	0	30	0	0	0
36	Bang Phlat 2	BGT2	0	0	30	300	0	0	90	0	90	30	0	30	30	0	0
37	Bang Phlat 3	BGT3	0	0	0	270	0	90	0	0	60	30	0	30	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	30	180	0	90	90	30	0	30	0	30	30	0	0
40	Charan Sanitwong 2	CSW2	0	0	30	300	0	30	30	0	30	0	30	30	30	0	0
41	Bang Khae 2	BKE2	0	0	30	390	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	90	0	0
43	Muban Sattakit 1	MSK1	0	0	0	390	0	0	0	0	0	0	0	150	0	0	0
44	Dao Khanong 2	DKN2	0	0	0	330	0	0	0	0	0	0	0	0	0	0	30
45	Phra Pradaeng 2	PPG2	30	0	30	330	0	0	0	0	0	0	0	30	0	30	0
46	Ekkachai 1	EKC1	0	0	30	360	0	0	0	0	0	0	0	0	0	30	0
47	Ekkachai 2	EKC2	0	0	30	270	0	0	0	0	0	0	0	30	0	30	0
48	Rat Burana 1	RBN1	0	0	30	540	0	0	0	0	0	0	0	30	0	60	60
49	Phahonyothin T2	PYT2	30	0	30	180	0	60	30	0	30	30	0	30	30	0	0
50	Inthamara 2	ITM2	0	0	0	60	0	0	0	0	180	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	Lat Phrao 1-2	LTP1-2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	30	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	30	0	0	0	0	0	0	0	0	0	0	0
58	Bang Su 2	BGS2	0	0	0	180	0	0	0	0	0	0	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0
60	Nonthaburi 2	NTB2	0	0	0	60	0	60	30	0	30	60	0	0	0	0	0
61	Lak Si T4	LKST4	60	0	30	150	0	30	30	150	780	30	30	30	0	0	30
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	60	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	60	30	0	30	30	0	30
70	Asok Din Daeng 3	ASD3	30	0	30	0	0	30	30	0	30	30	0	30	30	0	30
71	Sukhumvit 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	180	0	0	0	0	0	0	0	30	30	0	30

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	LYT8	PSN2	BGT2	BGT3	BBT1	BBT2	CSW2	BKE2	NGK1	MSK1	DKN2	PPG2
73	Krung Kasem 4	KKM4	0	0	0	0	0	30	0	0	30	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	60	0	30	30	0	30	30	0	60	60	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	Trook 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	60	0	0	0	0	0	0	0	0	0	0	0
82	Sahupradit 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 Toci 1	KTI2	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0
85	Hua 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	Ramkamhaeng 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	60	0	0	90	0	0	0	0	0	0	0	0	0	0	0
91	Sarnut 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	150	0	0	0	0	0	0	0	0	0	0	30
94	Bang Phli 4	BPL4	240	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	LY2	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	30	0	0	90	90	0	90	30	0	30	0	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	90	0	60	60	30	90	30	0	30	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 Settakit 2	MSK2	0	0	0	150	0	0	0	0	0	0	0	150	120	0	0
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0
106	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180
107	Ekkachai 3	EKC3	0	0	60	90	0	0	0	0	0	30	30	60	60	90	60
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	180	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	0	0	0	0	0
111	Bang Khen 3	BGN3	0	0	0	30	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	90	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	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	0	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	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	90	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	150	0	0	30	0	0	30	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	180	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	60	0	30	120	0	60	60	0	0	60	60	30	60	30	60
133	Phra Khanong TP	PNTP	0	0	0	180	0	0	0	0	0	0	0	0	0	0	0
134	Lat Ya TP	LYTP	0	0	30	180	0	30	0	0	0	30	30	30	30	30	30
135	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	240	0	0	0	0	0	0
136	Phra Khanong TC	PNTC	270	30	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	0	0	90	150	60	150	180	0	0	150	90	90	60	60	210
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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Lat Ya International	LYIT	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
	Total		2,370	450	1,770	12,780	570	1,890	1,590	210	2,190	1,590	1,110	2,100	1,650	1,260	1,950

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (7/20)

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
1	Phloen Chit 3	PNC3	0	0	30	420	30	30	60	30	60	30	0	30	0	60	60
2	Asok Din Daeng 2	ASD2	0	0	0	300	30	30	30	30	30	0	0	0	0	30	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	60	90	210	0	30	30	0	30	0	0	0	0	0	0
5	Krung Kasem 3	KKM3	0	30	0	300	0	60	30	0	90	30	0	0	30	30	60
6	Samson 2	SMS2	0	0	0	30	0	0	0	0	0	0	0	0	30	60	30
7	Pathum Wan 2	PTW2	0	0	30	90	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	30	30	60	240	0	30	30	0	60	30	0	0	0	0	0
9	Surawong 5	SRW5	0	30	30	180	0	0	30	0	30	0	0	0	0	30	30
10	Chaiyaphruk 2	CYP2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
11	Phra Khanong 2	PKG2	0	0	0	150	30	0	0	30	0	0	0	0	0	0	0
12	On Nut 1	ONT1	0	0	0	30	0	0	0	0	0	0	0	0	30	0	0
13	Trok Chan 2	TKC2	0	0	0	60	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	0	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	150	0	30	30	30	30	0	0	0	0	0	0
19	Khlong Chan 2	KGC2	0	0	0	60	0	0	0	0	0	0	0	0	0	30	30
20	Khlong Chan 3	KGC3	0	0	0	60	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	30	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	60	0	0	0	0	0	30	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	60	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	30	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LYT8	540	570	720	150	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	60	0	0	0	0	0	0	0	0	0	0	30
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	60	0	0	0	0	0	0	0	0	0	30	60
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	30	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 Setakit 1	MSK1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	30	30	60	30	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	0	30	120	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	Rai 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	30	840	60	90	30	90	30	0	0	90	60	60
50	Inthamara 2	ITM2	0	0	0	420	60	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	30	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	60	0	30	0	0	30	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	90	0	30	30	0	0	150	30	0	0	30	30
55	Thanyaburi 1	TYB1	0	0	0	30	0	0	0	0	90	0	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	30	0	0	0	0	30	0	0	0	30	0	0
58	Bang Su 2	BGS2	0	0	0	90	0	0	0	0	0	0	0	60	0	30	90
59	Ngam Wong Wan 2	NWW2	0	0	0	90	0	30	0	0	30	0	0	0	60	0	90
60	Nonthaburi 2	NTB2	0	0	0	60	0	30	30	0	60	30	0	0	180	30	0
61	Lak Si T4	LKST4	0	0	30	210	60	690	810	720	840	630	240	510	900	810	810
62	Lak Si 2	LKS2	0	0	0	90	0	0	0	0	60	30	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	30	60
66	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
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	60	0	0	0	0	0	0	0	0	0	30	30
69	Phloen Chit 4	PNC4	0	0	30	330	0	30	30	0	30	0	0	30	0	30	30
70	Asok Din Daeng 3	ASD3	0	0	30	210	30	30	30	30	60	30	0	0	0	60	60
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

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	90	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	60	0	0	0	0	0	0	0	0	0	0	0
76	Surawong 6	SRW6	30	30	60	210	0	30	30	0	60	30	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 Nui 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 Toei 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	30
86	Khlong Chan 4	KGC4	0	0	0	60	0	0	0	0	0	0	0	0	0	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	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
89	Lai 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	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	0	0	0	30	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	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	0	0	0	30	0	0	0	0	0	0	0	0	0	0	30
100	Bang Bue Thong 3	BBT3	0	0	0	60	0	0	0	0	0	0	0	0	0	0	30
101	Charan Sanitwong 3	CSW3	0	0	0	30	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	0	0	0	0	0	0	0	0	0	0	0	0
104	Muban Sattakul 2	MSK2	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DRN3	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	180	210	90	60	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	300	30	30	30	0	30	0	0	0	60	30	30
110	Inthamara 3	ITM3	0	0	0	60	90	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	0	30	0	270	150	30	0	0	30	30
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	0	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	60	90	30	90
119	Ngam Wong Wan 3	NWW3	0	0	0	60	0	0	0	0	0	0	0	0	30	90	60
120	Nonthaburi 3	NTB3	0	0	0	30	0	0	0	0	0	0	0	0	30	0	300
121	Lak Si 3	LKS3	0	0	0	90	0	0	0	0	60	30	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	0	60	0	0	0	0	30	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	60
124	Pathum Thani 2	PTT2	0	0	0	0	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	30	0	0	0	0	30	30
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	90	30	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	0	0	0	90	30	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	30	30	60	180	30	0	0	0	0	0	0	0	0	0	0
133	Phra Khanong TP	PNTP	0	0	0	120	30	0	0	0	0	0	0	0	0	0	0
134	Lat Ya TP	LYTP	30	30	30	120	0	0	0	0	0	0	0	0	0	30	0
135	Lak Si TC	LSIC	0	0	0	0	0	90	90	210	630	360	60	30	60	180	360
136	Phra Khanong TC	PNTC	0	0	0	600	90	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	30	30	90	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	30	0	30	0	0	0
139	Phra Khanong International	PNIT	0	0	0	120	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	1,230	1,830	9,120	1,410	1,350	1,500	1,140	2,910	1,650	390	810	1,650	1,860	2,820

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	90	30	0	0	30	0	0	0	30	510	210	60	60	30	30
2	Asok Din Daeng 2	ASD2	180	30	0	0	0	0	0	0	90	300	0	30	30	0	0
3	Sukhumwit 1	SKW1	210	0	0	0	0	0	0	0	90	60	60	0	0	0	0
4	Samran Rat 4	SRR4	180	30	0	0	30	0	0	0	30	210	180	30	240	30	60
5	Krung Kasem 3	KKM3	180	30	0	0	30	30	0	0	150	180	0	90	90	60	30
6	Samsen 2	SMS2	150	0	0	0	0	0	0	0	0	0	0	30	180	0	0
7	Pathum Wan 2	PTW2	210	0	0	0	0	0	0	0	90	60	0	30	0	0	60
8	Surawong 4	SRW4	180	30	0	0	0	0	0	0	30	300	180	30	90	30	0
9	Surawong 5	SRW5	210	30	0	0	0	0	0	0	0	210	120	30	60	0	60
10	Chaiyaphruk 2	CYP2	60	0	0	0	0	0	0	0	30	30	0	0	0	0	0
11	Phra Khanong 2	PKG2	210	0	0	0	0	0	0	0	60	60	60	60	30	60	30
12	On Nut 1	ONT1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Trok Chan 2	TKC2	90	0	0	0	0	0	0	0	30	0	0	0	0	0	0
14	Thung Mahamek 2	TMM2	60	0	0	0	0	0	0	0	30	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	Thanon Tok 2	TNT2	60	0	0	0	0	0	0	0	30	0	0	0	0	0	0
17	Khlong Toei 1	KTI1	150	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	90	150	0	30	0	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	150	0	0	0	0	0	0	0	30	30	0	0	0	0	0
21	Ramkamhaeng 1	RKN1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Bang Chan 1	BGC1	270	0	0	0	0	0	0	0	0	30	0	0	0	0	0
23	Lat Krabang 1	LKG1	30	0	0	0	0	0	0	0	30	0	0	0	0	0	0
24	Bang Na 2	BN2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	150	0	0	0	0	0	0	0	30	30	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	60	0	0	0	0	0	0	0	30	30	0	0	0	0	0
28	Bang Pu 1	BGU1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pu Chao Saming Phrai 2	PSP2	90	0	0	0	0	0	0	0	30	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	150	0	0	0	0	0	0	0	30	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	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
34	Lat Ya T8	LTYT8	150	0	0	0	0	0	0	0	60	30	0	60	0	30	0
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	180	0	0	0	0	0	0	0	30	30	0	0	0	0	0
37	Bang Phlat 3	BGT3	150	0	0	0	0	0	0	0	0	30	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	330	0	0	0	0	0	0	0	30	60	0	30	0	0	0
40	Charan Sanitwong 2	CSW2	150	0	0	0	0	0	0	0	0	30	0	0	0	0	0
41	Bang Khae 2	BKE2	60	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	180	0	0
43	Muban Sattakit 1	MSK1	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	150	0	0	0	0	0	0	0	30	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	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	240	30	0	0	30	0	0	30	210	210	30	60	30	60	30
50	Inthamara 2	ITM2	180	0	0	0	0	0	0	0	0	30	0	0	0	0	0
51	Bang Khen 2	BGN2	300	0	0	0	0	0	0	0	0	30	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	300	0	0	0	0	0	0	0	30	60	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	270	0	0	0	0	0	0	0	0	30	0	0	0	0	0
54	Don Muang 2	DNM2	450	60	0	0	30	0	0	30	30	60	0	0	0	0	0
55	Thanyaburi 1	TYB1	270	0	0	0	0	0	0	0	0	0	0	0	150	0	0
56	Rangsit 1	RST1	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nawa Nakhon 1	NWN1	360	0	0	0	0	0	0	0	30	0	0	0	0	0	0
58	Bang Su 2	BGS2	390	0	0	0	0	0	0	0	30	60	0	0	0	0	0
59	Ngam Wong Wan 2	NWW2	360	0	0	0	0	0	0	0	30	30	0	0	0	0	0
60	Nonthaburi 2	NIB2	270	0	0	0	60	30	0	0	30	60	0	30	30	30	0
61	Lak Si T4	LKST4	0	690	300	420	690	510	240	600	30	60	30	60	30	60	30
62	Lak Si 2	LKS2	660	0	0	0	0	0	0	0	30	30	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	210	0	30	0	0	0	0	0	0	0	0	0	0	0	0
65	Pak Kret 1	PKK1	330	0	0	0	0	90	30	0	0	0	0	0	0	30	0
66	Pathum Thani 1	PTT1	390	0	0	0	90	0	0	0	0	0	0	0	0	0	0
67	Bang Phun 1	BAN1	240	0	0	0	30	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	390	0	0	0	0	0	0	0	0	30	0	0	0	0	0
69	Phloen Chit 4	PNC4	210	0	0	0	0	0	0	0	150	150	30	60	30	30	30
70	Asok Din Daeng 3	ASD3	180	30	0	0	0	0	0	30	150	0	0	60	30	30	30
71	Sukhumwit 2	SKW2	150	0	0	0	0	0	0	0	60	30	0	0	0	0	0
72	Samran Rat 5	SRR5	180	0	0	0	0	0	0	0	60	60	0	0	0	0	0



13-5 The Number of Circuits Between Exchanges in BMA in 2007 (10/20)

NO	Switch Unit Name	ABBR	61 LKST4	62 LKS2	63 RIT1	64 RIT2	65 PKK1	66 PTT1	67 BANI	68 CWT1	69 PNC4	70 ASD3	71 SKW2	72 SRR5	73 KKM4	74 SMS3	75 PTW3
73	Krung Kasem 4	KKM4	180	0	0	0	0	0	0	0	30	60	0	30	0	0	0
74	Samsen 3	SMS3	60	0	0	0	0	0	0	0	0	30	240	0	0	0	0
75	Pathum Wan 3	PTW3	60	0	0	0	0	0	0	0	30	30	0	0	0	0	0
76	Surawong 6	SRW6	180	30	0	0	0	0	0	0	270	180	30	90	30	30	90
77	Chaiyaphruk 3	CYP3	30	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	Khlong Toei 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	Khlong Chan 4	KGC4	210	0	0	0	0	0	0	0	30	60	0	0	0	0	0
87	Ramkamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Bang Chan 2	BGC2	210	0	0	0	0	0	0	0	0	30	0	0	0	0	0
89	Lat Krabang 2	LKG2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	150	0	0	0	0	0	0	0	30	30	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	150	0	0	0	0	0	0	0	30	30	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	Lai 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	150	0	0	0	0	0	0	0	0	30	0	0	0	0	0
100	Bang Due Thong 3	BBT3	0	0	0	0	0	0	0	0	0	30	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	150	0	0
104	Muban Sattakit 2	MSK2	60	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	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	180	0	0	0	0	0	0	0	30	30	0	30	0	0	0
108	Rai Burana 2	RBN2	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	210	30	0	0	0	0	0	0	90	90	0	30	0	30	0
110	Inthamara 3	ITM3	180	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	30	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	60	0	0	30	0	0	0	30	60	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	150	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	180	60	0	0	0	0	0	0	0	30	0	0	0	0	0
122	Ram Inthra 3	RIT3	180	0	60	60	0	0	0	0	0	30	0	0	0	0	0
123	Pak Kret 2	PKK2	150	0	0	0	150	60	30	0	0	0	0	0	0	0	0
124	Pathum Thani 2	PTT2	60	0	0	0	90	60	0	0	0	0	0	0	0	0	0
125	Bang Phun 2	BAN2	30	0	0	0	0	30	0	0	0	0	0	0	0	0	0
126	Chaeng Watthana 2	CWT2	150	0	0	0	0	0	60	0	30	0	0	0	0	0	0
127	Krung Kasem T1	KKT1	30	0	0	0	0	0	0	0	0	0	0	30	60	0	0
128	Phloen Chit T3	PNCT3	60	0	0	0	0	0	0	0	60	30	0	0	0	30	0
129	Krung Kasem TP	KKTP	90	0	0	0	0	0	0	0	0	0	0	540	450	510	450
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	510	30	0	30	0	0
131	Phloen Chit TP	PLTP	90	0	0	0	0	0	0	0	780	30	390	0	0	0	0
132	Lak Si TP	LSTP	150	30	0	0	0	0	0	0	60	60	0	60	30	60	0
133	Phra Khanong TP	PNTP	180	0	0	0	0	0	0	0	30	60	30	30	0	0	0
134	Lai Ya TP	LYTP	210	0	0	0	0	0	0	0	30	60	0	60	30	30	0
135	Lak Si TC	LSTC	270	450	0	30	150	60	30	90	0	0	0	330	180	150	150
136	Phra Khanong TC	PNTC	90	0	0	0	0	0	0	0	0	450	0	0	0	0	0
137	Lai Ya TC	LYTC	0	0	0	0	0	0	0	0	630	0	60	0	0	0	0
138	Lak Si International	LSIT	120	60	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	Lai Ya International	LYIT	0	0	0	0	0	0	0	0	270	0	30	0	0	0	0
	Total		18,270	1,710	390	540	1,440	840	360	960	5,760	5,250	1,350	2,340	1,740	1,440	1,080

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	KT2	HAM3	KGC4	RKN2	BGC2	LKG2	BNA4
1	Phloen Chit 3	PNC3	480	0	0	0	0	30	30	0	60	210	60	0	30	30	60
2	Asok Din Daeng 2	ASD2	150	0	0	0	0	0	0	0	30	30	30	0	0	0	0
3	Sukhumwit 1	SKW1	120	0	0	0	0	0	0	0	30	30	30	0	0	0	0
4	Samran Rat 4	SRR4	330	0	0	0	0	0	0	0	30	30	0	0	0	0	0
5	Krung Kasem 3	KKM3	210	0	0	0	0	0	0	60	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	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	750	0	0	0	0	30	30	0	60	270	30	0	30	0	0
9	Surawong 5	SRW5	540	0	0	0	0	0	0	0	60	210	30	0	30	0	30
10	Chaiyaphruk 2	CYP2	30	30	0	0	0	30	0	0	30	0	0	0	30	0	30
11	Phra Khanong 2	PKG2	90	30	90	60	0	90	0	0	90	90	0	0	0	0	0
12	On Nut 1	ONT1	30	0	0	30	0	0	0	0	0	0	0	0	90	60	90
13	Trok Chan 2	TKC2	90	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	KT11	90	0	0	0	0	0	0	0	90	30	0	0	0	0	0
18	Hua Mak 2	HAM2	150	0	0	0	0	90	0	0	60	180	90	0	60	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	30	0	0	0	0	90	0	30	0	0
21	Ramkamhaeng 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	0	0	0	0	0
23	Lat Krabang 1	LKG1	30	0	0	30	0	0	0	0	0	0	30	0	210	0	0
24	Bang Na 2	BN2	30	0	0	0	0	0	0	0	0	0	0	0	0	90	0
25	Bang Na 3	BNA3	60	0	0	0	0	30	0	0	30	0	0	0	0	0	60
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
27	Samut Prakan 3	SPK3	60	0	0	0	0	30	0	0	30	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	30
29	Pu Chao Saming Phrai 2	PSP2	60	0	0	0	0	30	0	0	30	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	30
31	Bang Phli 2	BPL2	60	0	0	0	0	30	0	0	30	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	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	LYT8	30	0	0	0	0	0	0	0	30	60	30	0	0	0	30
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	60	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	30
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 Sertakit 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	210	0	0	0	150	0	0	90	60	60	0	30	0	30	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	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	30	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	30	0	0	0	0	0	0	0	30	60	0	0	0	0	0
61	Lak Si T4	LKST4	60	0	0	0	30	0	0	30	30	60	90	0	0	0	60
62	Lak Si 2	LKS2	60	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	PTT1	0	0	0	60	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	360	0	0	0	0	0	0	30	150	60	0	0	0	0	30
70	Asok Din Daeng 3	ASD3	180	0	0	0	0	0	0	30	60	60	0	30	0	30	0
71	Sukhumwit 2	SKW2	60	0	0	0	0	0	0	0	30	0	0	0	0	0	0
72	Samran Rat 5	SRR5	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (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	0	30	0	60	270	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	30	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	Thanon Tok 3	TNT3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	90	0	0	0	0	0	0	0	0	30	0	0	0	0	0
85	Hua Mak 3	HAM3	60	0	0	0	0	60	0	30	0	60	0	30	0	0	0
86	Khlong Chan 4	KGC4	60	0	0	0	0	30	0	0	30	0	60	0	30	0	0
87	Ranankhaeng 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	0	30	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	60	0	0	0	0	30	0	0	30	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	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	90	0	0	0	0	30	0	0	60	0	0	0	0	0	0
94	Bang Phli 4	BPL4	60	0	0	0	0	30	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	30
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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Bang Bue 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 Setaikit 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	90	0	0	0	0	60	0	0	30	0	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	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	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	30	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	30	0	30	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	PIT2	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	30	30	30	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
131	Phloen Chit TP	PLTP	570	0	0	0	0	420	210	300	510	0	0	0	0	30	30
132	Lak Si TP	LSITP	60	0	0	0	0	0	0	30	30	60	60	0	600	0	30
133	Phra Khanong TP	PNTP	30	270	330	300	0	60	0	0	30	510	540	150	90	360	600
134	Lat Ya TP	LYTP	60	0	0	0	0	0	0	0	0	60	30	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	0	210	150	0	0	60	150
137	Lat Ya TC	LYTC	900	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	0	30	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		9,150	360	540	810	270	1,410	390	540	1,890	2,850	1,920	180	1,500	630	1,620

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (13/20)

NO	Switch Unit Name	ABBR	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
			SPK4	BGU2	PSP3	BPL4	BBB2	TNB2	LTY2	PSN3	BGT4	BBT3	CSW3	BKE3	NGK2	MSK2	DKN3
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	0	0	0	0	0	0	30	0	0	0	0	0	0
3	Sukhumwit 1	SKW1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	0	30	30	0	30	30	0	60	60	30	0	90	90	30
5	Krung Kasem 3	KKM3	0	0	0	30	0	0	0	0	60	60	30	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	0	30	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	30	0	60	60	0	0	0	0	30	30	0	0	60	60	0
9	Surawong 5	SRW5	0	0	30	30	0	0	0	0	0	0	0	0	30	30	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	60	30	90	90	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 Toei 1	KT1	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	30	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	30	60	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	180	30	90	30	0	0	0	0	0	0	0	0	0	0	0
28	Bang Pu 1	BGU1	60	30	30	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	60	240	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	0	60	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LTYT8	30	0	60	60	0	60	90	0	30	30	60	30	90	90	60
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
36	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	0	90	60	0	0	30	30	0
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	90	60	0	0	0	0	0
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
39	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	90	90	0	0	30	30	0
40	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	30	30	60	0	30	0	0
41	Bang Khac 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0
42	Nong Kheem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	90	60	0
43	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	150	120	0
44	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
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	30	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	30	30	30	0	0	0	0
61	Lak Si T4	LKST4	0	0	60	60	0	30	30	0	0	60	60	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	PIT1	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	30	0	0	30	30	0
70	Asok Din Daeng 3	ASD3	0	0	0	30	0	0	0	0	30	30	0	0	30	30	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

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (14/20)

NO	Switch Unit Name	ABBR	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
			SPK4	BGU2	PSP3	BPL4	BBB2	TNB2	LTY2	PSN3	BGT4	BBT3	CSW3	BKE3	NGK2	MSK2	DKN3
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	30	0	60	30	0	0	0	0	30	30	0	0	60	30	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 Nui 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	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	Thanon Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KTI2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	0	0	30	60	0	0	0	0	0	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	0	30	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	30	0	0	60	0	0	0	0	0	0	0	0	0	0	0
94	Bang Phli 4	BPL4	0	0	60	0	30	0	0	0	0	0	0	0	0	0	0
95	Bang Phli Bang Bo 2	BBB2	0	0	0	30	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	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	0	0	0	0	0	0	60	0	0	30	0	0
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	60	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	0	0	0	0	0	0	0	0	0	0	60	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	120	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	0	0	30	0	0	30	0	0	0	0	0	0	60	60	30
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	0	0	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	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	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	0	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	0	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	Chaeng 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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	0	0	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	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	0	0	60	60	0	0	0	0	480	30	30	0	30	30	0
133	Phra Khanong TP	PNTP	390	180	540	510	210	0	0	0	30	0	0	0	0	0	0
134	Lat Ya TP	LYTP	0	0	60	60	0	390	420	210	30	420	480	330	600	540	390
135	Lak Si TC	LSTC	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0
136	Phra Khanong TC	PNTC	90	30	240	240	30	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	0	0	0	0	0	30	60	30	180	0	90	30	60	60	30
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	0	0
140	Lat Ya International	LYIT	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0
	Total		990	300	2,070	2,280	360	630	660	270	1,620	1,440	870	450	1,830	1,530	600

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (15/20)

NO	Switch Unit Name	ABBR	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
1	Phloen Chit 3	PNC3	0	60	0	240	60	0	30	0	60	0	0	30	0	30	0
2	Asok Din Daeng 2	ASD2	0	30	0	60	30	0	0	0	30	0	0	0	0	0	0
3	Sukhumvit 1	SKW1	0	0	0	30	0	0	0	0	30	0	0	0	0	0	0
4	Samran Rat 4	SRR4	30	150	60	90	30	0	0	0	30	0	0	0	0	0	0
5	Krung Kasem 3	KKM3	0	60	0	150	30	30	0	0	90	0	0	0	30	30	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	30	0	30	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	30	90	30	90	30	0	0	0	60	0	0	0	0	0	0
9	Surawong 5	SRW5	0	60	30	60	0	0	0	0	30	0	0	0	0	0	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Phra Khanong 2	PKG2	0	60	30	60	30	30	30	30	60	30	0	30	60	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	30	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Khlong Foei 1	KTI1	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
18	Hua Mak 2	HIAM2	0	30	0	60	30	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	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bang Na 3	BNA3	0	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	0	0	0	0	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	0	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	0	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	60	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Lat Ya T8	LYT8	30	60	60	30	0	0	0	0	30	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	30	0	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	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	30	0	30	0	0	0	0	0	0	0	0	0	0	0
40	Charan Sanitwong 2	CSW2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Bang Khae 2	BKE2	0	30	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Dao Khanong 2	DKN2	0	90	30	0	0	0	0	0	0	0	0	0	0	0	0
45	Phra Pradaeng 2	PPG2	180	60	60	0	0	0	0	0	0	0	0	0	0	0	0
46	Ekkachai 1	EKC1	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Ekkachai 2	EKC2	0	210	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Rat Burana 1	RBN1	30	90	120	0	0	0	0	0	0	0	0	0	0	0	0
49	Phahonyothin T2	PYT2	0	30	0	300	90	30	60	0	90	0	0	0	60	30	0
50	Inthamara 2	IFM2	0	0	0	30	90	0	0	0	0	0	0	0	0	0	0
51	Bang Khen 2	BGN2	0	0	0	30	0	60	0	0	0	0	0	0	0	0	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	60	0	30	0	0	0	0	0	0
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
54	Don Muang 2	DNM2	0	0	0	30	0	0	0	0	270	60	0	0	0	0	0
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	90	30	0	0	0	0	0
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	30	0	30	0	0	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	30	0	0	60	30	0	0
58	Bang Su 2	BGS2	0	0	0	30	0	0	0	0	0	0	0	60	90	0	30
59	Ngam Wong Wan 2	NWW2	0	0	0	30	0	0	0	0	30	0	0	0	30	90	30
60	Nonthaburi 2	NTB2	0	30	0	0	0	0	0	0	60	0	0	0	120	0	300
61	Lak Si T4	LKST4	30	90	30	60	90	0	0	0	30	0	0	0	0	30	0
62	Lak Si 2	LKS2	0	0	0	60	0	0	0	0	60	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	30	0	180	30	0	0	0	30	0	0	30	0	0	0
70	Asok Din Daeng 3	ASD3	0	30	0	90	60	0	0	0	60	0	0	0	0	30	0
71	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Samran Rat 5	SRR5	0	30	0	30	0	0	0	0	0	0	0	0	0	0	0

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (16/20)

NO	Switch Unit Name	ABBR	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
73	Krung Kasem 4	KKM4	0	0	0	30	0	0	0	0	30	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	30	90	30	60	30	0	0	0	60	0	0	0	0	0	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	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	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	Thanoi Tok 3	TNT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Khlong Toei 1	KT12	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
85	Hua Mak 3	HAM3	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
86	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Ramkumbhaeng 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	0	0	0	0	0	0	0	0	0	0	0	0
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Bang Na 4	BNA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Samut Prakan 4	SPK4	0	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	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Bang Phli 4	BPL4	0	0	0	0	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	30	0	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 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	0	0	0	0	0	0	0	0	0	0	0	0
104	Muban Setakit 2	MSK2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Dao Khanong 3	DKN3	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Phra Pradaeng 3	PPG3	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0
107	Ekkachai 3	EKC3	30	0	60	0	0	0	0	0	0	0	0	0	0	0	0
108	Rat Burana 2	RBN2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Phahonyothin 4	PYT4	0	0	0	0	30	0	0	0	30	0	0	0	30	0	0
110	Inthamara 3	ITM3	0	0	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	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	0	30	0	0	0	0	0	60	0	0	0	0	0
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	30	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	30	0	0
118	Bang Su 3	BGS3	0	0	0	30	0	0	0	0	0	0	0	30	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	30	0	0
121	Lak Si 3	LKS3	0	0	0	30	0	0	0	60	0	0	0	0	0	0	0
122	Ram Inthra 3	RIT3	0	0	0	0	0	0	0	30	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	Chaeng 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	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
129	Krung Kasem TP	KKTP	0	30	0	30	30	0	0	0	0	0	0	0	0	0	0
130	Phahonyothin TP	PYTP	0	0	0	660	480	0	0	0	0	0	0	0	0	0	0
131	Phloen Chit TP	PLTP	0	0	0	30	0	0	0	30	0	0	0	0	0	0	0
132	Lak Si TP	LSTP	0	60	30	60	60	480	570	420	630	390	180	390	510	600	510
133	Phra Khanong TP	PNTP	0	30	0	30	30	0	30	0	60	0	0	0	60	30	0
134	Lat Ya TP	LYTP	480	600	480	60	0	0	0	30	0	0	0	0	0	0	0
135	Lak Si TC	LSTC	0	0	0	0	0	60	60	150	600	150	30	30	60	90	90
136	Phra Khanong TC	PNTC	0	0	0	300	90	0	0	0	0	0	0	0	0	0	0
137	Lat Ya TC	LYTC	90	90	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	30	0	0	0	30	0	0	0
139	Phra Khanong International	PNIT	0	0	0	30	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		960	2,880	1,140	3,300	1,410	690	840	630	2,880	720	240	690	1,140	990	960

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (17/20)

NO	Switch Unit Name	ABBR	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
			LKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	KKT1	PNCT3	KKTP	PYTP
1	Phloen Chit 3	PNC3	0	30	0	0	0	30	30	0	0	0	0	0	240	0	0
2	Asok Din Daeng 2	ASD2	0	0	0	0	0	30	0	0	0	0	0	0	30	30	0
3	Sukhumvit 1	SKW1	0	0	0	0	0	0	0	0	0	0	0	0	180	30	0
4	Samran Rat 4	SRR4	30	0	30	0	0	30	30	0	0	0	0	0	210	0	0
5	Knung Kasem 3	KKM3	30	0	30	0	0	30	30	0	0	0	30	60	60	60	30
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	240	0	0	30
7	Pathum Wan 2	PTW2	0	0	0	0	0	0	0	0	0	0	0	180	30	0	30
8	Surawong 4	SRW4	30	0	0	0	0	30	30	0	0	0	30	0	150	30	0
9	Surawong 5	SRW5	30	0	0	0	0	0	30	0	0	0	30	0	210	30	0
10	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	0	0	60	30	0
11	Phra Khanong 2	PKG2	30	60	30	0	0	30	0	90	0	0	60	30	90	60	60
12	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
13	Trok Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	210	30	0	30
14	Thung Mahamek 2	TMM2	0	0	0	0	0	0	0	0	0	0	0	30	240	30	30
15	Sathupradit 2	STD2	0	0	0	0	0	0	0	0	0	0	0	30	270	0	0
16	Ithanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	30	210	30	30
17	Khlong Toei 1	KTI1	0	0	0	0	0	0	0	0	0	0	0	0	210	30	0
18	Hua Mak 2	HAM2	0	30	0	0	0	0	0	30	0	0	0	0	0	30	0
19	Khlong Chan 2	KGC2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
20	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
21	Ramkhamhaeng 1	RKN1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
22	Bang Chan 1	BGC1	0	30	0	0	0	0	0	0	0	0	0	30	30	30	30
23	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
24	Bang Na 2	BN2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30
25	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
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	0	0	0	0	0	0	0	0	0	30	0	0
28	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
29	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
30	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
31	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
32	Bang Phli Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
33	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
34	Lat Ya T8	LYT8	0	0	0	0	0	0	0	0	120	0	60	60	90	90	60
35	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
36	Bang Phlat 2	BGT2	0	0	0	0	0	0	0	0	0	0	0	30	30	60	30
37	Bang Phlat 3	BGT3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
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	0	0	0	0	0	0	0	0	30	60	30	0
40	Charan Sanitwong 2	CSW2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
41	Bang Khae 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
42	Nong Khaem 1	NGK1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
43	Muban Sattakit 1	MSK1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
44	Dao Khanong 2	DKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
45	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
46	Ekkachai 1	EKC1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
47	Ekkachai 2	EKC2	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30
48	Rat Burana 1	RBN1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
49	Phahonyothin T2	PYT2	30	60	30	0	0	60	30	0	0	90	60	90	90	90	60
50	Inthamara 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0
51	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0
52	Lat Phrao 1-2	LTP1-2	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
53	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
54	Don Muang 2	DNM2	30	0	30	0	0	30	0	0	0	60	0	0	60	30	30
55	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
57	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
58	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	30	30	60	0
59	Ngam Wong Wan 2	NWW2	0	0	0	0	0	30	0	0	0	0	0	30	60	30	30
60	Nonthaburi 2	NTB2	0	0	30	30	0	0	0	0	0	60	30	0	30	30	30
61	Lak Si T4	LKST4	60	0	0	30	0	30	0	30	30	120	30	60	120	60	60
62	Lak Si 2	LKS2	60	0	0	0	0	0	0	0	0	30	0	0	0	0	0
63	Ram Inthra 1	RIT1	0	60	0	0	0	0	0	0	0	0	0	0	30	0	0
64	Ram Inthra 2	RIT2	0	60	0	0	0	0	0	0	0	0	0	0	30	0	30
65	Pak Kret 1	PKK1	0	0	150	90	0	0	0	0	0	0	0	0	60	0	30
66	Pathum Thani 1	PTT1	0	0	60	60	0	0	0	0	0	0	0	0	30	0	0
67	Bang Phun 1	BAN1	0	0	30	0	30	0	0	0	0	0	0	0	0	0	0
68	Chaeng Watthana 1	CWT1	0	0	0	0	0	60	0	0	0	0	0	0	0	30	30
69	Phloen Chit 4	PNC4	0	0	0	0	0	0	30	0	0	0	0	0	60	0	0
70	Asok Din Daeng 3	ASD3	30	0	0	0	0	30	30	0	0	0	0	30	30	0	240
71	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
72	Samran Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	0	30	0	270	0



13-5 The Number of Circuits Between Exchanges in BMA in 2007 (18/20)

NO	Switch Unit Name	ABBR	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	
			UKS3	RIT3	PKK2	PTT2	BAN2	CWT2	MC1	MC2	MC3	MC4	13	RKT1	PNCT3	KKTP	PYTP	
73	Krung Kasem 4	KKM4	0	0	0	0	0	0	30	0	0	0	0	60	0	510	0	
74	Samsen 3	SMS3	0	0	0	0	0	0	0	0	0	0	0	0	30	300	0	
75	Pathum Wan 3	PTW3	0	0	0	0	0	0	0	0	0	0	0	0	30	270	0	
76	Surawong 6	SRW6	30	0	0	0	0	30	30	0	0	0	30	0	0	0	0	
77	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
78	Phra Khanong 3	PKG3	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	
79	On Nui 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
80	Trok Chan 3	TKC3	0	0	0	0	0	0	0	0	0	0	0	0	60	150	0	
81	Thung Mahamek 3	TMM3	0	0	0	0	0	0	0	0	0	0	0	30	0	0	30	
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	30	30	0	0	
84	Khlong Toei 1	KT12	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	
85	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30	
86	Khlong Chan 4	KGC4	0	30	0	0	0	0	0	0	0	0	0	0	30	30	30	
87	Ramkamhaeng 2	RKN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
88	Bang Chan 2	BGC2	0	30	0	0	0	0	0	0	0	0	0	30	30	30	30	
89	Lat Krabang 2	LKG2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30	
90	Bang Na 4	BNA4	0	0	0	0	0	0	0	0	0	0	0	0	60	30	30	
91	Samut Prakan 4	SPK4	0	0	0	0	0	0	0	0	0	0	0	30	60	0	0	
92	Bang Fu 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	0	0	0	0	0	0	0	0	0	60	30	30	
94	Bang Phli 4	BPL4	0	0	0	0	0	0	0	0	0	0	0	0	60	30	0	
95	Bang Phli Bang Ho 2	BBB2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
96	Thon Buri 2	TNB2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
97	Lat Ya 2	LY2	0	0	0	0	0	0	0	0	30	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	0	0	0	0	0	0	0	0	30	30	30	30	
100	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0	
101	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30	
102	Bang Khae 3	BKE3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
103	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	
104	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	
105	Dao Khanong 3	DKN3	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	
106	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
107	Ekkachai 3	EKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	
108	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	
109	Phahonyothin 4	PYT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390	
110	Inthamara 3	ITM3	0	0	0	0	0	0	0	0	0	0	0	0	30	30	330	
111	Bang Khen 3	BGN3	0	0	0	0	0	0	0	0	0	0	0	0	30	0	30	
112	Lat Phrao 1-3	LTP1-3	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	
113	Lat Phrao 2-3	LTP2-3	0	0	0	0	0	0	0	0	0	0	0	30	30	0	30	
114	Don Muang 3	DNM3	30	0	30	0	0	30	0	0	0	0	0	0	30	30	0	
115	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	30	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	30	0	0	
118	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0	
119	Ngam Wong Wan 3	NWW3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	
120	Nonthaburi 3	NTB3	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	
121	Lak Si 3	LKS3	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	
122	Ram Inhra 3	RIT3	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	
123	Pak Kret 2	PKK2	0	0	0	60	0	0	0	0	0	0	0	0	30	30	30	
124	Pathum Thani 2	PTT2	0	0	60	0	0	0	0	0	0	0	0	0	30	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	0	0	0	0	0	0	0	0	0	0	30	30	
127	Krung Kasem T1	KKT1	0	0	0	0	0	0	60	30	0	0	30	0	90	60	30	
128	Phloen Chit T3	PNCT3	0	0	0	0	0	0	60	60	0	0	30	90	0	90	60	
129	Krung Kasem TP	KKTP	0	0	0	0	0	0	30	30	0	0	30	60	90	0	60	
130	Phahonyothin TP	PYTP	0	0	0	0	0	0	30	0	0	60	30	90	90	60	0	
131	Phloen Chit TP	PLTP	0	0	0	0	0	0	60	30	0	0	30	90	90	60	60	
132	Lak Si TP	LSTP	540	630	540	510	150	510	0	30	30	90	30	60	90	90	60	
133	Phra Khanong TP	PNTP	30	30	0	0	0	30	0	90	0	0	30	30	120	90	30	
134	Lat Ya TP	LYTP	0	0	0	0	0	0	0	60	0	30	60	60	60	60	60	
135	Lak Si TC	LSTC	360	90	90	60	0	90	0	0	0	0	0	0	0	0	30	0
136	Phra Khanong TC	PNTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
137	Lat Ya TC	LYTC	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0
138	Lak Si International	LSIT	60	0	0	0	0	0	0	0	0	0	0	60	0	60	0	0
139	Phra Khanong International	PNIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
140	Lat Ya International	LYIT	0	0	0	0	0	0	0	0	0	0	0	30	60	0	0	0
	Total		1,410	1,140	1,140	840	180	1,110	540	450	270	540	600	2,550	5,910	4,050	3,240	

13-5 The Number of Circuits Between Exchanges in BMA in 2007 (19/20)

NO	Switch Unit Name	ABBR	136	137	138	139	140	141	142	143	144	145	Total
			PLTP	LSTP	PNTP	LYTP	LSTC	PNTC	LYTC	LSIT	PNIT	LYIT	
1	Phloen Chit 3	PNC3	30	150	0	150	0	0	570	0	0	360	8,730
2	Asok Din Daeng 2	ASD2	30	210	90	150	0	150	0	0	30	0	3,780
3	Sukhumwit 1	SKW1	0	150	150	60	0	0	150	0	0	60	2,640
4	Samran Rat 4	SRR4	0	210	150	30	480	0	0	150	0	0	7,560
5	Krung Kasem 3	KKM3	90	150	120	120	300	0	0	90	0	0	5,790
6	Samsen 2	SMS2	0	0	30	30	60	0	0	0	0	0	1,350
7	Pathum Wan 2	PTW2	30	150	60	150	240	0	0	30	0	0	3,270
8	Surawong 4	SRW4	30	180	60	90	0	0	540	0	0	690	8,580
9	Surawong 5	SRW5	0	180	60	90	0	0	420	0	0	600	6,390
10	Chaiyaphruk 2	CYP2	30	0	60	30	0	90	0	0	30	0	1,200
11	Phra Khanong 2	PKG2	60	150	180	150	0	210	0	30	150	0	14,220
12	On Nut 1	ONT1	0	0	0	30	0	30	0	0	0	0	900
13	Trok Chan 2	TKC2	30	60	60	60	60	0	0	0	0	0	1,560
14	Thung Mahamek 2	TMM2	0	30	60	30	0	0	60	0	0	0	1,050
15	Sathupradit 2	STD2	30	30	30	30	0	0	30	0	0	0	720
16	Thanon Tok 2	TNT2	0	30	30	30	0	0	120	0	0	0	1,380
17	Khlong Toei 1	KTI1	0	60	90	60	0	0	120	0	0	30	1,950
18	Hua Mek 2	HAM2	30	180	0	60	0	300	0	0	60	0	4,410
19	Khlong Chan 2	KGC2	60	60	60	30	0	30	0	0	0	0	1,170
20	Khlong Chan 3	KGC3	0	60	0	30	0	60	0	0	0	0	1,290
21	Ramkhamhaeng 1	RKN1	30	30	30	0	0	30	0	0	0	0	600
22	Bang Chan 1	BGC1	30	60	60	30	60	0	0	0	0	0	1,410
23	Lat Krabang 1	LKG1	0	0	0	0	0	30	0	0	0	0	780
24	Bang Na 2	BN2	60	0	30	30	0	30	0	0	0	0	1,020
25	Bang Na 3	BNA3	0	0	0	30	0	150	0	30	0	0	1,740
26	Samut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	300
27	Samut Prakan 3	SPK3	30	60	0	60	0	150	0	0	0	0	2,040
28	Bang Pu 1	BGU1	30	0	30	30	0	30	0	0	0	0	840
29	Pu Chao Saming Phrai 2	PSP2	0	0	0	60	0	90	0	0	30	0	1,830
30	Bang Phli 1	BPL1	30	0	0	0	0	30	0	0	0	0	630
31	Bang Phli 2	BPL2	30	0	0	60	0	150	0	0	30	0	2,190
32	Bang Phli Bang Bo 1	BBB1	30	0	0	0	0	30	0	0	0	0	420
33	Thon Buri 1	TNB1	30	30	30	150	0	0	60	0	0	0	1,320
34	Lat Ya T8	LTYT8	90	240	120	150	0	0	180	0	0	120	12,180
35	Phasi Charoen 2	PSN2	30	30	0	0	0	0	30	0	0	0	540
36	Bang Phlat 2	BGT2	30	120	60	0	0	0	60	0	0	0	1,980
37	Bang Phlat 3	BGT3	30	60	60	90	0	0	60	0	0	0	1,740
38	Bang Bue Thong 1	BBT1	0	0	0	0	0	0	0	0	0	0	240
39	Bang Bue Thong 2	BBT2	30	150	60	60	150	0	0	0	0	0	2,490
40	Charan Sanitwong 2	CSW2	30	60	30	0	0	0	60	0	0	0	1,470
41	Bang Khae 2	BKE2	0	30	30	0	0	0	60	0	0	0	930
42	Nong Khaem 1	NGK1	30	30	0	60	0	0	180	0	0	0	1,680
43	Muban Settakit 1	MSK1	30	30	0	0	0	0	150	0	0	0	1,410
44	Dao Khanong 2	DKN2	30	30	0	60	0	0	30	0	0	0	1,200
45	Phra Pradaeng 2	PPG2	30	60	90	150	0	0	180	0	0	0	2,370
46	Ekkachai 1	EKC1	30	30	0	0	0	0	30	0	0	0	1,080
47	Ekkachai 2	EKC2	30	30	0	150	0	0	60	0	0	0	1,320
48	Rat Burana 1	RBN1	30	0	0	0	0	0	60	0	0	0	1,620
49	Phahonyothin T2	PYT2	60	210	150	150	0	390	0	0	120	0	8,970
50	Inthamara 2	ITM2	30	0	30	30	0	60	0	0	0	0	1,380
51	Bang Khen 2	BGN2	30	150	30	30	60	0	0	0	0	0	1,380
52	Lat Phrao 1-2	LTP1-2	30	120	60	30	60	0	0	0	0	0	1,380
53	Lat Phrao 2-2	LTP2-2	60	90	30	30	30	0	0	0	0	0	960
54	Don Muang 2	DNM2	30	210	0	0	180	0	0	30	0	0	2,610
55	Thanyaburi 1	TYB1	30	60	0	0	60	0	0	30	0	0	1,410
56	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	360
57	Nawa Nakhon 1	NWN1	0	0	0	0	30	0	0	60	0	0	870
58	Bang Su 2	BGS2	30	180	60	60	270	0	0	0	0	0	2,280
59	Ngam Wong Wan 2	NWW2	30	150	60	0	90	0	0	0	0	0	1,800
60	Nonthaburi 2	NTB2	30	150	60	30	240	0	0	0	0	0	3,330
61	Lak Si T4	LKST4	90	240	180	90	240	60	0	120	30	0	17,250
62	Lak Si 2	LKS2	0	180	0	0	150	0	0	60	0	0	1,770
63	Ram Inthra 1	RIT1	0	30	0	0	0	0	0	0	0	0	420
64	Ram Inthra 2	RIT2	0	30	30	0	30	0	0	0	0	0	600
65	Pak Kret 1	PKK1	30	150	0	0	60	0	0	0	0	0	1,380
66	Pathum Thani 1	PTT1	30	0	0	0	30	0	0	0	0	0	840
67	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	330
68	Chaeng Waithana 1	CWT1	30	150	0	0	30	0	0	0	0	0	990
69	Phloen Chit 4	PNC4	300	210	0	0	0	0	420	0	0	300	6,510
70	Asok Din Daeng 3	ASD3	30	180	60	60	0	180	0	0	30	0	4,770
71	Sukhumwit 2	SKW2	300	0	60	30	0	0	90	0	0	30	1,650
72	Samran Rat 5	SRR5	30	90	60	90	180	0	0	60	0	0	2,520

## 13-5 The Number of Circuits Between Exchanges in BMA in 2007 (20/20)

NO	Switch Unit Name	ABBR	136	137	138	139	140	141	142	143	144	145	Total
			PLTP	LSTP	PNTP	LYTP	LSTC	PNTC	LYTC	LSIT	PNTT	LYIT	
73	Krung Kasem 4	KKM4	0	150	0	0	90	0	0	0	0	0	1,950
74	Samsen 3	SMS3	30	0	0	30	60	0	0	0	0	0	1,260
75	Pathum Wai 3	PTW3	0	0	30	30	90	0	0	0	0	0	1,050
76	Surawong 6	SRW6	210	180	60	90	0	0	510	0	0	750	8,190
77	Chaiyaphruk 3	CYP3	30	0	180	0	0	30	0	0	0	0	360
78	Phra Khanong 3	PKG3	0	0	360	0	0	60	0	0	60	0	630
79	On Nut 2	ONT2	60	0	420	30	0	30	0	0	0	0	690
80	Trok Chan 3	TKC3	30	0	0	0	0	0	0	0	0	0	330
81	Thung Mahamek 3	TMM3	240	30	30	30	0	0	60	0	0	0	870
82	Sathupradit 3	STD3	210	0	0	30	0	0	0	0	0	0	330
83	Thanon Tok 3	TNT3	180	0	0	30	0	0	30	0	0	0	540
84	Khlong Toei 1	KT12	210	60	90	60	0	0	90	0	0	30	1,920
85	Hua Mak 3	HAM3	30	150	270	60	0	180	0	0	30	0	2,760
86	Khlong Chan 4	KGC4	30	90	300	30	0	90	0	0	0	0	1,800
87	Rankamhaeng 2	RKN2	0	0	150	0	0	0	0	0	0	0	210
88	Bang Chan 2	BGC2	30	240	90	30	60	0	0	0	0	0	1,590
89	Lat Krabang 2	LKG2	60	0	210	0	0	30	0	0	0	0	750
90	Bang Na 4	BNA4	0	0	330	60	0	150	0	0	30	0	1,830
91	Samut Prakan 4	SPK4	60	30	240	30	0	60	0	0	0	0	960
92	Bang Pu 2	BGU2	0	0	180	0	0	0	0	0	0	0	270
93	Pu Chao Saming Phrai 3	PSP3	30	0	270	60	0	150	0	0	60	0	2,190
94	Bang Phli 4	BPL4	0	0	360	60	0	150	0	0	30	0	2,130
95	Bang Phli Bang Bo 2	BBB2	0	0	210	0	0	0	0	0	0	0	360
96	Thon Buri 2	TNB2	30	0	0	240	0	0	0	0	0	0	480
97	Lat Ya 2	LY2	0	0	0	360	0	0	60	0	0	30	690
98	Phasi Charoen 3	PSN3	0	0	0	210	0	0	30	0	0	0	270
99	Bang Phlat 4	BGT4	30	390	60	60	0	0	90	0	0	0	1,710
100	Bang Bue Thong 3	BBT3	30	60	30	420	60	0	0	0	0	0	1,470
101	Charan Sanitwong 3	CSW3	30	30	30	240	0	0	30	0	0	0	810
102	Bang Khae 3	BKE3	0	0	0	270	0	0	30	0	0	0	420
103	Nong Khaem 2	NGK2	0	30	0	330	0	0	150	0	0	0	1,470
104	Muban Sattakit 2	MSK2	30	30	0	240	0	0	90	0	0	0	1,320
105	Dao Khanong 3	DKN3	30	0	0	300	0	0	30	0	0	0	570
106	Phra Pradaeng 3	PPG3	30	30	30	330	0	0	60	0	0	0	1,140
107	Ekkachai 3	EKC3	30	90	0	330	0	0	180	0	0	0	2,940
108	Rat Burana 2	RBN2	30	0	0	270	0	0	30	0	0	0	1,050
109	Phahonyothin 4	PYT4	0	240	0	0	0	180	0	0	30	0	3,240
110	Inthamara 3	ITM3	0	120	30	30	0	60	0	0	0	0	1,230
111	Bang Khen 3	BGN3	30	210	0	0	30	0	0	0	0	0	690
112	Lat Phrao 1-3	LTP1-3	30	240	30	30	30	0	0	0	0	0	780
113	Lat Phrao 2-3	LTP2-3	30	210	30	0	0	0	0	0	0	0	540
114	Don Muang 3	DNM3	30	480	0	0	180	0	0	30	0	0	2,460
115	Thanyaburi 2	TYB2	0	180	0	0	30	0	0	0	0	0	630
116	Rangsit 2	RST2	0	180	0	0	0	0	0	0	0	0	240
117	Nawa Nakhon 2	NWN2	0	300	0	0	30	0	0	30	0	0	690
118	Bang Su 3	BGS3	30	390	30	60	240	0	0	0	0	0	1,710
119	Ngam Wong Wan 3	NWW3	30	270	30	0	60	0	0	0	0	0	1,020
120	Nonhlaburi 3	NLB3	30	270	30	30	60	0	0	0	0	0	1,110
121	Lak Si 3	LKS3	0	540	0	0	120	0	0	60	0	0	1,470
122	Ram Inthra 3	RIT3	30	390	30	30	60	0	0	0	0	0	1,230
123	Pak Kret 2	PKK2	30	360	0	0	60	0	0	0	0	0	1,110
124	Pathum Thani 2	PTT2	30	330	0	0	30	0	0	0	0	0	840
125	Bang Phun 2	BAN2	0	120	0	0	0	0	0	0	0	0	180
126	Chaeng Watthana 2	CWT2	30	390	0	0	30	0	0	0	0	0	1,080
127	Krung Kasem T1	KKT1	120	90	90	90	30	0	30	30	0	30	2,400
128	Phloen Chit T3	PNCT3	120	90	180	150	0	0	30	0	0	60	5,730
129	Krung Kasem TP	KKTP	90	150	150	150	60	0	0	60	0	0	3,930
130	Phahonyothin TP	PYTP	90	0	120	150	0	60	0	0	60	0	3,000
131	Phloen Chit TP	PLTP	0	150	150	180	0	0	60	0	0	60	4,980
132	Lak Si TP	LSITP	90	0	150	150	150	0	0	90	0	30	13,230
133	Phra Khanong TP	PNTP	90	150	0	150	0	90	0	0	90	0	8,010
134	Lat Ya TP	LYTP	90	180	120	0	30	0	90	30	0	90	8,580
135	Lak Si TC	LSTC	0	150	0	0	0	0	0	0	0	0	8,670
136	Phra Khanong TC	PNTC	0	0	90	0	0	0	0	0	0	0	5,700
137	Lat Ya TC	LYTC	60	0	0	120	0	0	0	0	0	0	7,320
138	Lak Si International	LSIT	0	90	0	30	0	0	0	0	0	0	930
139	Phra Khanong International	PNTI	0	0	120	0	0	0	0	0	0	0	780
140	Lat Ya International	LYIT	30	30	0	90	0	0	0	0	0	0	2,970
	Total		5,220	13,590	8,100	8,910	4,680	3,600	5,400	1,020	900	3,270	334,860

13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (1/18)

NO	Switch Unit Name	ABBR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			PNC3	ASD2	SKW1	SRR4	KKM3	SMS2	PTW2	SRW4	SRW5	CYP1	CYP2	PKG1	PKG2	ONT1	TKC1	TKC2	TMM1	TMM2	STD2
1	Phloen Chai 3	PNC3	0	90	60	90	30	0	30	60	0	0	30	0	90	0	0	0	0	0	0
2	Asok Din Daeng 2	ASD2	90	0	30	60	30	0	30	60	0	0	0	0	90	0	0	0	0	0	0
3	Sukhumvit 1	SKW1	150	30	0	90	0	0	30	90	0	30	30	0	150	0	0	0	0	0	0
4	Saenran Rat 4	SRR4	120	60	30	0	30	60	30	150	0	0	0	0	90	0	0	0	0	0	0
5	Krung Kaem 3	KKM3	60	60	0	60	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0
6	Samsen 2	SMS2	0	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	30	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Sirawong 4	SRW4	210	60	60	90	30	0	60	0	0	0	0	0	60	0	0	0	0	0	0
9	Sirawong 5	SRW5	0	0	0	0	0	0	0	30	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	30	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	0	0	0	0	0	0	0	0	0	30	0	450	0	0	0	0	0	0
12	Phra Khanong 1	PKG1	0	0	0	0	0	0	0	0	0	0	0	0	270	0	0	0	0	0	0
13	Phra Khanong 2	PKG2	60	90	60	60	30	0	30	60	0	570	510	300	0	480	30	0	30	0	0
14	On Nut 1	ONT1	0	0	0	0	0	0	0	0	0	0	0	0	480	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	30	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	0	0
17	Thung Mahamek 1	TMM1	0	0	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	30	0
19	Sethu Pradit 2	STD2	0	0	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	30	0	0	0	0	0	0
21	Thanon Tok 2	TNT2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
22	Khlong Toei 1	KT11	30	0	0	0	0	0	0	30	0	0	0	0	60	0	0	0	0	0	0
23	Hua Mak 2	HAM2	30	30	0	30	0	0	0	30	0	0	0	0	1,050	0	0	0	0	0	0
24	Khlong Chan 2	KGC2	30	0	0	0	0	0	0	30	0	0	0	0	690	0	0	0	0	0	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0
26	Ramkhamhaeng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0
27	Bang Chan 1	BGC1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
28	Lat Krabang 1	LKG1	0	0	0	0	0	0	0	0	0	0	0	0	210	0	0	0	0	0	0
29	Bang Na 1	BNA1	0	0	0	0	0	0	0	0	0	0	0	0	420	0	0	0	0	0	0
30	Bang Na 2	BNA2	0	0	0	0	0	0	0	0	0	0	0	0	390	0	0	0	0	0	0
31	Bang Na 3	BNA3	0	0	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0	0
32	Sarnut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	240	0	0	0	0	0	0
33	Sarnut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0
34	Bang Pu 1	BGU1	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0
35	Pu Chao Saming Phrai 2	PSP2	0	0	0	0	0	0	0	30	0	0	0	0	690	0	0	0	0	0	0
36	Bang Phli 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	450	0	0	0	0	0	0
37	Bang Phli 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	120	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	180	0	0	0	0	0	0
39	Thon Buri 1	TNB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lat Ya 18	LYT18	60	60	30	90	0	0	30	90	0	0	0	0	150	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	0	0
42	Phasi Charoen 2	PSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	30	30	0	60	30	0	30	0	0	0	0	0	60	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	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	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	0
47	Charan Sanitwong 1	CSW1	0	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	0
49	Bang Khao 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Bang Khao 2	BKE2	0	0	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	60	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	0
53	Dao Khanong 1	DKN1	0	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	0
55	Phra Pradaeng 2	PPG2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
56	Bkkachai 1	BKC1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
57	Bkkachai 2	BKC2	0	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	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	60	1,650	0	30	30	0	60	0	0	0	0	0	120	0	0	0	0	0	0
60	Inahama 1	ITM1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Inahama 2	ITM2	0	0	0	0	0	0	0	0	0	0	0	0	30	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	0	0
63	Bang Khen 2	BGN2	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0
64	Lat Phrao 1-2	LTP1-2	30	30	0	30	0	0	30	0	0	0	0	0	60	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	0
66	Lat Phrao 2-2	LTP2-2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
67	Don Muang 2	DNM2	0	0	0	0	0	0	0	0	0	0	0	0	30	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	0
69	Rangsit 1	RST1	0	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	0
71	Bang Su 2	BGS2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
72	Ngam Wong Wan 2	NWW2	0	0	0	0	0	0	0	0	0	0	0	0	30	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	0	0
74	Lak Si T4	LKST4	30	60	0	90	60	30	30	60	0	0	0	0	150	30	0	0	0	0	0
75	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Ram Inthra 1	RIF1	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
77	Ram Inthra 2	RIF2	0	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	0
79	Pathum Thani 1	PIT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (2/18)

NO	Switch Unit Name	ABBR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
			PNC3	ASD2	SRW1	SRR4	KKM3	SMS2	PTW2	SRW6	SRW5	CYP1	CYP2	PKG1	PKG2	ONT1	TKC1	TKC2	TMM1	TMM2	STD2	
81	Cheng Wathana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chai 4	PNC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Samsen Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	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	0	0
87	Samsen 3	SMS3	0	0	0	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	0	0	0
89	Surawong 6	SRW6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Chaiyaphruk 3	CYP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Phra Khanong 3	PKO3	0	0	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	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	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	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	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	0	0
97	Khlong Toei 1	KT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	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	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	0	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	0	0	0
103	Bang Na 4	BN4	0	0	0	0	0	0	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	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	0	0
106	Pu Chao Saring Phrai 3	PSF3	0	0	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	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	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	0	0
110	Lat Ya 2	LY2	0	0	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	0	0
112	Bang Phlat 4	BGT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	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	0	0	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Itanwarin 3	ITM3	0	0	0	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	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	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	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	0	0	0
128	Thanyaburi 2	TYB2	0	0	0	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	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	0	0
131	Bang Su 3	BGS3	0	0	0	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	0	0	0
133	Nonhaburi 3	NHB3	0	0	0	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	0	0	0
135	Ram Inthra 3	RTI3	0	0	0	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	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	0	0
138	Bang Phuan 2	BAN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Cheng Wathana 2	CWT2	0	0	0	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	2,010	1,140	570	870	0	0	0	0	0	150	0	30	270	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0
142	Phloen Chai T3	PLT3	2,550	30	1,320	30	0	0	0	2,580	210	0	0	0	60	0	60	0	60	300	510	0
143	Thon Buri T(XB)	TNBTA	0	0	0	30	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0
144	Surawong T(XB)	SWTA	0	0	0	0	0	0	0	30	30	0	0	0	60	0	330	0	330	0	0	0
145	Krung Kasem TP	KKTP	0	0	0	0	0	0	0	0	0	0	0	0	270	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	0	0	0	0	0	0	0	0	0	0	0	510	0	0	0	0	0	0	0
147	Phloen Chai TP	PLTP	0	0	0	0	0	0	0	0	0	0	0	0	1,020	0	0	0	0	0	0	0
148	Lak Si TP	LSTP	0	0	0	0	0	0	0	0	0	0	0	0	930	0	0	0	0	0	0	0
149	Phra Khanong TP	PNTP	0	0	0	0	0	0	0	0	0	0	0	0	1,800	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	0	0	0	0	0	0	0	0	0	0	30	0	390	0	0	0	0	0	0	0
151	Lak Si TC	LSTC	0	0	0	300	150	30	150	0	0	0	0	0	0	0	0	30	0	0	0	0
152	Phra Khanong TC	PNTC	0	210	0	0	0	0	0	0	0	30	30	60	240	60	0	0	0	0	0	0
153	Lat Ya TC	LYTC	360	0	90	0	0	0	270	90	0	0	0	0	0	0	0	0	0	0	0	60
154	Lak Si International	LSIT	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Phra Khanong International	PNIIT	0	0	0	0	0	0	0	0	0	0	30	120	0	0	0	0	0	0	0	0
156	Lat Ya International	LYIT	150	0	30	0	0	0	180	60	0	0	0	0	0	0	0	0	0	0	0	0
	Total		4,080	2,550	1,800	3,210	1,620	690	1,320	4,170	420	690	660	420	14,130	660	480	330	450	330	570	0



13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (4/18)

NO	Switch Unit Name	ABBR	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
			TNT1	TNT2	KTH	HAM2	KGC2	KGC3	RKH1	BGC1	LKG1	BNA1	BNA2	BNA3	SPK2	SPK3	BGR1	PSP2	BPL1	BPL2	BBB1	
81	Chaeng Watthana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Samsen Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	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	0	0
87	Samsen 3	SMS3	0	0	0	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	0	0	0
89	Surawong 6	SRW6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Chaiyaphruk 3	CYP3	0	0	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	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Trek Chan 3	TKC3	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Satunpradit 3	STD3	0	0	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	0	0
97	Khlong Toei 1	KTT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	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	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	0	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	0	0	0
103	Bang Na 4	BNA4	0	0	0	0	0	0	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	0	0	0
105	Bang Pu 2	BGP2	0	0	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	0	0
107	Bang Phli 4	BPL4	0	0	0	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	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	0	0
110	Lat Ya 2	LY2	0	0	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	0	0
112	Bang Phlat 4	BGT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	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	0	0	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Senakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Rai Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	0	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	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	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	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	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	0	0	0
128	Thanyaburi 2	TYB2	0	0	0	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	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	0	0
131	Bang Su 3	BGS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Ngan Wong Wan 3	NWW3	0	0	0	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	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	0	0	0
135	Ram Intra 3	RIT3	0	0	0	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	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	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	0	0
139	Chaeng Watthana 2	CWT2	0	0	0	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	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	0	0	0
142	Phloen Chit T3	PLT3	30	420	570	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Surawong T(XB)	SWTA	210	0	0	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	0	0	0
146	Phahonyothin TP	PYTP	0	0	0	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	0	0	0	0	0	0	0	0	0
148	Lak Si TP	LSTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Phra Khanong TP	PNTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0
152	Phra Khanong TC	PNTC	0	0	0	90	30	0	0	0	0	30	30	0	30	0	0	60	30	0	0	0
153	Lat Ya TC	LYTC	0	30	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Lak Si International	LSTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Phra Khanong International	PNTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Lat Ya International	LYTI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		270	480	720	1,710	1,050	180	180	480	180	540	450	210	330	150	150	930	570	180	180	

13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (5/18)

NO	Switch Unit Name	ABBR	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
			TNB1	LTYT8	PSN1	PSN2	BGT2	BGT3	BBT1	BBT2	CSW1	CSW2	BKB1	BKB2	NGK1	MSK1	DKN1	DKN2	PPG2	EKC1	EKC2
1	Phloen Chit 3	PNC3	0	150	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Asok Din Deong 2	ASD2	0	60	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Sukhumvit 1	SKW1	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Sarraj Rat 4	SRR4	30	150	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Krung Kasem 3	KKM3	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
6	Samsen 2	SMS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Pathum Wan 2	PTW2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surawong 4	SRW4	0	150	0	0	30	0	0	0	0	0	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	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Phra Khanong 1	PKG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Phra Khanong 2	PKG2	0	150	0	0	60	0	0	0	0	0	0	0	0	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	0	0
15	Trook Chan 1	TKC1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Trook Chan 2	TKC2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Thung Mahamek 1	YMM1	0	0	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	0	0
19	Sathupradit 2	STD2	0	30	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	0	0
21	Thanon Tok 2	TNT2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Khlong Toei 1	KT11	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Hua Mak 2	HAM2	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Khlong Chan 2	KGC2	0	30	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	0	0
26	Ramkambheng 1	RKH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Bang Chai 1	BGC1	0	0	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	0	0
29	Bang Na 1	BNA1	0	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	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	0	0
32	Sarut Prakan 2	SPK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Sarut Prakan 3	SPK3	0	0	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	0	0
35	Pu Chao Saming Phrai 2	PSP2	0	30	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	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	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	0	0
39	Thon Buri 1	TNB1	0	480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lat Ya TB	LTYT8	690	0	30	240	1,140	60	0	0	0	510	30	270	540	420	60	210	480	840	150
41	Phasi Charoen 1	PSN1	0	50	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Phasi Charoen 2	PSN2	0	270	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Bang Phlat 2	BGT2	0	1,140	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Bang Phlat 3	BGT3	0	60	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Bang Buc Thong 1	BBT1	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
46	Bang Buc Thong 2	BBT2	0	0	0	0	0	30	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	30	0	0	0	0	0	0	0	0	0	0
48	Charan Sanitwong 2	CSW2	0	390	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
49	Bang Khao 1	BKE1	0	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0
50	Bang Khao 2	BKE2	0	240	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0
51	Nong Khaem 1	NGK1	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Maban Sotakot 1	MSK1	0	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Dao Khanong 1	DKN1	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
54	Dao Khanong 2	DKN2	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
55	Phra Pradaeng 2	PPG2	0	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Ekkachai 1	EKC1	0	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
57	Ekkachai 2	EKC2	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
58	Rat Burana 1	RBN1	0	510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	90	0	0	30	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	0	0
61	Inthamara 2	ITM2	0	0	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	0	0
63	Bang Khen 2	BGN2	0	0	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	30	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	0	0
66	Lat Phrao 2-2	LTP2-2	0	30	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	0	0
68	Thanyaburi 1	TYB1	0	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	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Bang Su 2	BGS2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Ngam Wong Wan 2	NWW2	0	30	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	0	0
74	Lak Si T4	LKST4	0	180	0	0	60	180	60	0	0	0	0	0	0	0	0	0	0	0	0
75	Lak Si 2	LKS2	0	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	0
77	Ram Inthra 2	RIT2	0	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	0
79	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (6/18)

NO	Switch Unit Name	ABBR	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	
			TNB1	LYT8	PSN1	PSN2	BGT2	BGT3	BBT1	BBT2	CSW1	CSW2	BKH1	BKH2	NGK1	MSK1	DKN1	DKN2	PPG2	BKC1	BKC2	
81	Chaeng Wathana 1	CWT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Phloen Chit 4	PNC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Asok Din Daeng 3	ASD3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Sukhumvit 2	SKW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Samsen Rat 5	SRR5	0	0	0	0	0	0	0	0	0	0	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	0	0
87	Samsen 3	SMS3	0	0	0	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	0	0	0
89	Surawong 6	SRW6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Chaiyaphruk 3	CYP3	0	0	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	0	0
92	On Nut 2	ONT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Trak Chan 3	TKC3	0	0	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	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	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	0	0
97	Khlong Toei 1	KTI2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Hua Mak 3	HAM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Khlong Chan 4	KGC4	0	0	0	0	0	0	0	0	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	0	0	0
101	Bang Chan 2	BGC2	0	0	0	0	0	0	0	0	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	0	0	0
103	Bang Na 4	BN4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Sannit Prakan 4	SPK4	0	0	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	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	0	0
107	Bang Phli 4	BPL4	0	0	0	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	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	0	0
110	Lat Ya 2	LY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Phan Chooen 3	PSN3	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0
113	Bang Bue Thong 3	BBT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Charan Sanitwong 3	CSW3	0	0	0	0	0	0	0	0	0	0	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	0	0
116	Nong Khaem 2	NGK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Muban Sattakit 2	MSK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0
119	Phra Pradaeng 3	PPG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Ekkachai 3	EKC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	Rat Burana 2	RBN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Phahonyothin 4	PYT4	0	0	0	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	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	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	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	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	0	0	0
128	Thanyaburi 2	TYB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Rangit 2	RST2	0	0	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	0	0
131	Bang Su 3	BGS3	0	0	0	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	0	0	0
133	Northaburi 3	NTB3	0	0	0	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	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	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	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	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	0	0
139	Chaeng Wathana 2	CWT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Krung Kasem T1	KKT1	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Phahonyothin T(XB)	PYTA	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Phloen Chit T3	PLT3	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Thon Buri T(XB)	TNBTA	30	60	202	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0
144	Surawong T(XB)	SWTA	0	60	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0
145	Krung Kasem TP	KKTP	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Phahonyothin TP	PYTP	0	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Phloen Chit TP	PLTP	0	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Lak Si TP	LSTP	0	660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Phra Khanong TP	PNTP	0	480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Lat Ya TP	LYTP	0	1,710	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0
152	Phra Khanong TC	PNTC	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Lat Ya TC	LYTC	30	180	0	30	150	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	0	0	0	0	0	0	0	0	0	0	30	30	0	0
155	Phra Khanong International	PNIT	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Lat Ya International	LYIT	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			780	11,880	262	300	1,680	90	210	90	300	570	268	300	540	420	420	240	510	930	180	0

13-6 The Number of Circuits between Exchanges in 1997 (Case-2) (7/18)

NO	Switch Unit Name	ABBR	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
			RBN1	PYT2	ITM1	ITM2	BGN1	BGN2	LTP1-2	LTP2-2	DNM2	TYB1	RST1	NWN1	BGS2	NWW2	NTB2	LKST4	KS2	RTI	
1	Phloen Chit 3	PNC3	0	90	0	0	0	0	0	30	0	0	0	0	0	0	0	0	180	0	0
2	Asok Din Daeng 2	ASD2	0	1,410	0	30	0	0	30	0	0	0	0	0	0	0	0	0	150	0	0
3	Sukhumvit 1	SKW1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
4	Sarasin Rat 4	SRR4	0	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0	150	0	0
5	Krung Kasorn 3	KKM3	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
6	Sarnsen 2	SMS2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
7	Pathum Wan 2	PTW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
8	Surawong 4	SRW4	0	60	0	0	0	0	30	0	0	0	0	0	0	0	0	0	30	0	0
9	Surawong 5	SRW5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
10	Chaiyaphruk 1	CYP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Chaiyaphruk 2	CYP2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
13	Phra Khanong 2	PKG2	0	90	30	30	0	0	30	0	30	0	0	0	0	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	180	0	0
15	Troek Chan 1	TKC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
16	Troek Chan 2	TKC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Thung Maharek 1	TMM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Thung Maharek 2	TMM2	0	0	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	0	0
20	Thanon Tok 1	TNT1	0	0	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	0	0
22	Khlong Toei 1	KT11	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Hua Mak 2	HAM2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
24	Khlong Chan 2	KGC2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0
25	Khlong Chan 3	KGC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
26	Ramkanchang 1	RKH1	0	0	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	450	0	0
28	Lai Krabang 1	LKG1	0	0	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	0	0
30	Bang Na 2	BNA2	0	0	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	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	0
33	Samut Prakan 3	SPK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Bang Pa 1	BGU1	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Bang Phi 1	BPL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
37	Bang Phi 2	BPL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Bang Phi Bang Bo 1	BBB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Thon Buri 1	TNE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Lat Ya TB	LTYTB	630	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
41	Phasi Charoen 1	PSN1	0	0	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	0	0
43	Bang Phlat 2	BGT2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0
44	Bang Phlat 3	BGT3	0	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	0
46	Bang Bue Thong 2	BBT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0	0
47	Charan Sanitwong 1	CSW1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	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	0
49	Bang Khao 1	BKE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
50	Bang Khao 2	BKE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Nong Khem 1	NGK1	0	0	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	0
53	Dao Khanong 1	DKN1	0	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	0
55	Phua Pradaeng 2	PPG2	0	0	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	0	0	0	0	0	0	0	0	0	0	0	30	0	0
57	Ekkachai 2	EKC2	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Phahonyothin T2	PYT2	0	0	30	540	0	0	30	0	0	0	0	0	0	0	0	0	150	0	0
60	Inthamara 1	ITM1	0	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0
61	Inthamara 2	ITM2	0	420	30	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
62	Bang Khen 1	BGN1	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	360	0	0
63	Bang Khen 2	BGN2	0	30	0	0	30	0	0	0	0	0	0	0	0	0	0	0	420	0	0
64	Lat Phrao 1-2	LTP1-2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	750	0	0
65	Lat Phrao 2-1	LTP2-1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
66	Lat Phrao 2-2	LTP2-2	0	30	0	0	0	0	0	30	0	0	0	0	0	0	0	0	480	0	0
67	Don Muang 2	DNM2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	660	0	0
68	Thanyaburi 1	TYB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	0	0
69	Rangsit 1	RST1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0	0
70	Nawa Nakhon 1	NWN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	0	0
71	Bang Su 2	BGS2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	480	0	0
72	Ngam Wong Wan 2	NWW2	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	630	0	0
73	Nonthaburi 2	NTB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390	0	0
74	Lak Si T4	LKST4	0	120	30	30	360	540	990	0	540	720	90	150	270	600	780	390	0	60	330
75	Lak Si 2	LKS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
76	Ram Inthra 1	RTI1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330	0	0
77	Ram Inthra 2	RTI2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	30
78	Pak Kret 1	PKK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	480	0	0
79	Pathum Thani 1	PTT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240	0	0
80	Bang Phun 1	BAN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0