Table 12.1-3(a) Decka20 Deterioration Rates

decka20- total rating count for bridge (9-5>0)							
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**	**Total Years**
1	0	2.1	6.5	6.5	7.2	4.6	26.9
1	201	2.1	7.1	7.3	7.1	4.6	28.2
1	801	1.9	6.8	7.1	7.1	4.1	26.9
1	2001	2.0	7.5	8.2	5.3	4.8	27.7
1	4001	1.0	7.8	7.6	6.5	3.2	26.1
2	0	2.3	6.5	6.4	5.0	2.8	22.9
2	201	2.2	7.1	8.2	7.8	5.1	30.3
2	801	2.3	6.8	7.8	8.6	6.0	31.4
2	2001	2.3	5.8	7.6	8.5	6.5	30.8
2	4001	2.4	5.2	7.8	8.7	6.7	30.8
3	0	2.5	11.4	6.3	4.5	2.9	27.6
3	201	2.4	10.7	6.9	6.3	3.3	29.6
3	801	2.6	9.6	6.8	6.2	4.5	29.7
3	2001	1.8	10.2	6.5	6.7	7.0	32.2
3	4001	3.0	6.7	5.7	7.8	4.6	27.8

Table 12.1-3(b) Occurrences of Ratings for Decka20

decka20- number of occurences						
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**
1	0	348	1551	1855	2172	1608
1	201	174	980	1089	1163	787
1	801	33	204	245	239	167
1	2001	5	43	46	37	34
1	4001	3	17	10	13	12
2	0	143	530	512	501	328
2	201	228	1063	1420	1274	665
2	801	171	655	921	952	488
2	2001	161	478	696	711	375
2	4001	447	1158	1894	2054	1135
3	0	26	187	155	104	36
3	201	23	303	240	181	92
3	801	7	120	107	92	46
3	2001	5	48	42	39	18
3	4001	1	15	31	31	22

Table 12.1-3(c) Decka21 Deterioration Rates

decka21- total rating count for bridge (9-5>1)							
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**	**Total Years**
1	0	2.7	7.0	6.9	7.5	5.1	29.2
1	201	2.8	7.5	7.7	7.4	5.1	30.5
1	801	2.6	7.2	7.3	7.4	4.5	29.0
1	2001	3.5	8.0	8.4	6.3	5.4	31.5
1	4001		8.7	7.6	6.5	3.9	26.7
2	0	2.9	7.7	7.6	7.9	5.9	32.0
2	201	3.0	8.0	8.9	9.0	6.9	35.7
2	801	2.8	7.7	8.6	9.7	7.3	36.2
2	2001	3.0	6.9	8.5	9.6	7.5	35.5
2	4001	3.3	6.0	8.7	9.3	7.4	34.6
3	0	3.3	11.8	7.0	5.6	3.7	31.3
3	201	2.8	11.2	7.3	6.9	4.4	32.7
3	801	3.2	10.1	7.0	6.4	5.1	31.8
3	2001	2.0	10.2	6.8	7.2	7.0	33.2
3	4001	3.0	8.1	6.2	8.3	5.9	31.5

Table 12.1-3(d) Occurrences of Ratings for Decka21

decka21- number of occurences						
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**
1	0	220	1428	1740	2057	1407
1	201	108	918	1035	1096	688
1	801	18	189	239	225	147
1	2001	2	40	45	30	29
1	4001		15	10	13	9
2	0	95	434	419	291	118
2	201	134	929	1292	1078	462
2	801	116	565	817	836	382
2	2001	105	390	617	625	318
2	4001	272	975	1673	1891	1020
3	0	17	180	139	80	25
3	201	18	286	225	162	63
3	801	5	114	103	88	40
3	2001	4	48	40	36	18
3	4001	1	12	28	29	16

Table 12.1-3(e) Decka22 Deterioration Rates

decka22- total rating count for bridge (9-5>2)							
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**	**Total Years**
1	0	3.6	7.8	7.9	8.3	6.2	33.7
1	201	3.6	8.2	8.4	8.1	6.2	34.5
1	801	3.6	7.9	8.2	8.3	5.5	33.4
1	2001	3.5	9.0	8.7	7.3	6.3	34.8
1	4001		9.2	8.2	7.3	4.8	29.5
2	0	3.8	9.1	8.5	9.0	7.4	37.8
2	201	4.4	9.1	9.5	9.6	7.9	40.5
2	801	4.0	9.0	9.4	10.3	8.1	40.6
2	2001	4.1	8.1	9.1	9.9	8.1	39.4
2	4001	4.4	7.1	9.4	9.8	8.1	39.0
3	0	4.0	12.4	7.9	6.8	4.8	35.9
3	201	4.1	11.7	8.0	7.7	5.6	37.2
3	801	4.0	10.7	7.6	7.6	6.4	36.2
3	2001		10.7	8.0	7.6	7.3	33.7
3	4001	3.0	8.6	7.9	8.5	6.8	34.9

Table 12.1-3(f) Occurrences of Ratings for Decka22

decka22- number of occurences						
dkmat	**adt**	**9**	**8**	**7**	**6**	**5**
1	0	98	1239	1448	1799	1039
1	201	55	811	921	973	510
1	801	7	166	204	196	105
1	2001	2	34	43	24	23
1	4001		14	9	11	6
2	0	51	347	360	243	85
2	201	55	782	1185	991	383
2	801	49	467	735	778	335
2	2001	50	313	562	597	289
2	4001	141	757	1504	1771	892
3	0	11	170	117	60	15
3	201	7	273	198	138	42
3	801	3	106	92	70	28
3	2001		45	32	33	17
3	4001	1	11	20	28	13

Tables 12.1-3 Deterioration Rates Calculated Using Program Decka2 and Number of Occurrences of Ratings Used in the Calculations