

Appendix C
KY 90 Crash Analysis

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
							Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
KY 90, Metcalfe County																		
0.000	11.719	11.719	3,460	2	R	239.00	3	62	65	130	6.3145	0.740	4.05	83.78	87.84	175.68	285.97	0.61
0.000	0.300	0.300	4,680	2	R	0.72	1	5	2	8	8.541	0.026	0.12	0.59	0.23	0.94	1.53	0.61
0.100	0.400	0.300	4,680	2	R	0.72	1	5	5	11	8.541	0.026	0.12	0.59	0.59	1.29	1.53	0.84
0.200	0.500	0.300	4,680	2	R	0.72	1	5	4	10	8.541	0.026	0.12	0.59	0.47	1.17	1.53	0.77
0.300	0.600	0.300	4,680	2	R	0.72	0	0	3	3	8.541	0.026	0.00	0.00	0.35	0.35	1.53	0.23
0.400	0.700	0.300	4,680	2	R	0.72	0	0	0	0	8.541	0.026	0.00	0.00	0.00	0.00	1.53	0.00
0.500	0.800	0.300	4,680	2	R	0.72	0	0	1	1	8.541	0.026	0.00	0.00	0.12	0.12	1.53	0.08
0.600	0.900	0.300	4,680	2	R	0.72	0	0	1	1	8.541	0.026	0.00	0.00	0.12	0.12	1.53	0.08
0.700	1.000	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15
0.800	1.100	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15
0.900	1.200	0.300	4,680	2	R	0.72	0	0	4	4	8.541	0.026	0.00	0.00	0.47	0.47	1.53	0.31
1.000	1.300	0.300	4,680	2	R	0.72	0	1	3	4	8.541	0.026	0.00	0.12	0.35	0.47	1.53	0.31
1.100	1.400	0.300	4,680	2	R	0.72	0	1	7	8	8.541	0.026	0.00	0.12	0.82	0.94	1.53	0.61
1.200	1.500	0.300	4,680	2	R	0.72	0	2	5	7	8.541	0.026	0.00	0.23	0.59	0.82	1.53	0.54
1.300	1.600	0.300	4,680	2	R	0.72	1	2	5	8	8.541	0.026	0.12	0.23	0.59	0.94	1.53	0.61
1.400	1.700	0.300	4,680	2	R	0.72	2	6	0	8	8.541	0.026	0.23	0.70	0.00	0.94	1.53	0.61
1.500	1.800	0.300	4,680	2	R	0.72	2	6	0	8	8.541	0.026	0.23	0.70	0.00	0.94	1.53	0.61
1.600	1.900	0.300	4,680	2	R	0.72	1	6	1	8	8.541	0.026	0.12	0.70	0.12	0.94	1.53	0.61
1.700	2.000	0.300	4,680	2	R	0.72	0	2	5	7	8.541	0.026	0.00	0.23	0.59	0.82	1.53	0.54
1.800	2.100	0.300	4,680	2	R	0.72	0	2	7	9	8.541	0.026	0.00	0.23	0.82	1.05	1.53	0.69
1.900	2.200	0.300	4,680	2	R	0.72	0	1	8	9	8.541	0.026	0.00	0.12	0.94	1.05	1.53	0.69
2.000	2.300	0.300	4,680	2	R	0.72	0	1	9	10	8.541	0.026	0.00	0.12	1.05	1.17	1.53	0.77
vicinity KY 640 at mp 2.312 in Summershade																		
2.100	2.400	0.300	4,680	2	R	0.72	0	2	12	14	8.541	0.026	0.00	0.23	1.40	1.64	1.53	1.07
2.200	2.500	0.300	4,680	2	R	0.72	0	2	11	13	8.541	0.026	0.00	0.23	1.29	1.52	1.53	1.00
2.300	2.600	0.300	4,680	2	R	0.72	0	9	9	18	8.541	0.026	0.00	1.05	1.05	2.11	1.53	1.38
2.400	2.700	0.300	4,680	2	R	0.72	0	7	4	11	8.541	0.026	0.00	0.82	0.47	1.29	1.53	0.84
2.500	2.800	0.300	4,680	2	R	0.72	0	8	3	11	8.541	0.026	0.00	0.94	0.35	1.29	1.53	0.84
2.600	2.900	0.300	4,680	2	R	0.72	0	3	0	3	8.541	0.026	0.00	0.35	0.00	0.35	1.53	0.23
2.700	3.000	0.300	4,680	2	R	0.72	0	3	2	5	8.541	0.026	0.00	0.35	0.23	0.59	1.53	0.38
2.800	3.100	0.300	4,680	2	R	0.72	0	2	2	4	8.541	0.026	0.00	0.23	0.23	0.47	1.53	0.31
2.900	3.200	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15
3.000	3.300	0.300	4,680	2	R	0.72	0	0	0	0	8.541	0.026	0.00	0.00	0.00	0.00	1.53	0.00
3.100	3.400	0.300	4,680	2	R	0.72	0	0	0	0	8.541	0.026	0.00	0.00	0.00	0.00	1.53	0.00
3.200	3.500	0.300	4,680	2	R	0.72	0	5	0	5	8.541	0.026	0.00	0.59	0.00	0.59	1.53	0.38
3.300	3.600	0.300	4,680	2	R	0.72	0	5	0	5	8.541	0.026	0.00	0.59	0.00	0.59	1.53	0.38
3.400	3.700	0.300	4,680	2	R	0.72	0	5	1	6	8.541	0.026	0.00	0.59	0.12	0.70	1.53	0.46
3.500	3.800	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15
3.600	3.900	0.300	4,680	2	R	0.72	0	2	2	4	8.541	0.026	0.00	0.23	0.23	0.47	1.53	0.31
3.700	4.000	0.300	4,680	2	R	0.72	0	2	2	4	8.541	0.026	0.00	0.23	0.23	0.47	1.53	0.31
3.800	4.100	0.300	4,680	2	R	0.72	0	2	1	3	8.541	0.026	0.00	0.23	0.12	0.35	1.53	0.23
3.900	4.200	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15
4.000	4.300	0.300	4,680	2	R	0.72	0	0	3	3	8.541	0.026	0.00	0.00	0.35	0.35	1.53	0.23

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class	Rate	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
								Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
4.100	4.400	0.300	4,680	2	R	0.72	0	0	7	7	8.541	0.026	0.00	0.00	0.82	0.82	1.53	0.54	
4.200	4.500	0.300	4,680	2	R	0.72	0	0	8	8	8.541	0.026	0.00	0.00	0.94	0.94	1.53	0.61	
4.300	4.600	0.300	4,680	2	R	0.72	0	0	6	6	8.541	0.026	0.00	0.00	0.70	0.70	1.53	0.46	
4.400	4.700	0.300	4,680	2	R	0.72	0	0	2	2	8.541	0.026	0.00	0.00	0.23	0.23	1.53	0.15	
vicinity KY 163 at mp 4.721																			
4.500	4.800	0.300	4,680	2	R	0.72	0	23	5	28	8.541	0.026	0.00	2.69	0.59	3.28	1.53	2.15	
4.600	4.900	0.300	3,200	2	R	0.72	0	23	5	28	5.84	0.018	0.00	3.94	0.86	4.79	1.71	2.80	
4.700	5.000	0.300	3,200	2	R	0.72	0	25	5	30	5.84	0.018	0.00	4.28	0.86	5.14	1.71	3.00	
4.800	5.100	0.300	3,200	2	R	0.72	0	2	1	3	5.84	0.018	0.00	0.34	0.17	0.51	1.71	0.30	
4.900	5.200	0.300	3,200	2	R	0.72	0	2	1	3	5.84	0.018	0.00	0.34	0.17	0.51	1.71	0.30	
5.000	5.300	0.300	3,200	2	R	0.72	0	0	1	1	5.84	0.018	0.00	0.00	0.17	0.17	1.71	0.10	
5.100	5.400	0.300	3,200	2	R	0.72	0	0	0	0	5.84	0.018	0.00	0.00	0.00	0.00	1.71	0.00	
5.200	5.500	0.300	3,200	2	R	0.72	0	0	1	1	5.84	0.018	0.00	0.00	0.17	0.17	1.71	0.10	
vicinity Lone Star Ridge Road at mp 5.554																			
5.300	5.600	0.300	3,200	2	R	0.72	0	0	3	3	5.84	0.018	0.00	0.00	0.51	0.51	1.71	0.30	
5.400	5.700	0.300	3,200	2	R	0.72	0	0	3	3	5.84	0.018	0.00	0.00	0.51	0.51	1.71	0.30	
5.500	5.800	0.300	3,200	2	R	0.72	0	0	2	2	5.84	0.018	0.00	0.00	0.34	0.34	1.71	0.20	
5.600	5.900	0.300	3,200	2	R	0.72	0	0	0	0	5.84	0.018	0.00	0.00	0.00	0.00	1.71	0.00	
5.700	6.000	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
5.800	6.100	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
5.900	6.200	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
6.000	6.300	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
6.100	6.400	0.300	2,620	2	R	0.72	0	1	0	1	4.7815	0.014	0.00	0.21	0.00	0.21	1.82	0.11	
vicinity Martin Cemetery Road at mp 6.468																			
6.200	6.500	0.300	2,620	2	R	0.72	0	1	0	1	4.7815	0.014	0.00	0.21	0.00	0.21	1.82	0.11	
6.300	6.600	0.300	2,620	2	R	0.72	0	1	1	2	4.7815	0.014	0.00	0.21	0.21	0.42	1.82	0.23	
6.400	6.700	0.300	2,620	2	R	0.72	0	0	1	1	4.7815	0.014	0.00	0.00	0.21	0.21	1.82	0.11	
6.500	6.800	0.300	2,620	2	R	0.72	0	0	1	1	4.7815	0.014	0.00	0.00	0.21	0.21	1.82	0.11	
6.600	6.900	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
6.700	7.000	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
6.800	7.100	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
6.900	7.200	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.000	7.300	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.100	7.400	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.200	7.500	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.300	7.600	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.400	7.700	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.500	7.800	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.600	7.900	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.700	8.000	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.800	8.100	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
7.900	8.200	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.000	8.300	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.100	8.400	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class	Rate	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
								Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
8.200	8.500	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.300	8.600	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.400	8.700	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.500	8.800	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.600	8.900	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.700	9.000	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.800	9.100	0.300	2,620	2	R	0.72	0	0	0	0	4.7815	0.014	0.00	0.00	0.00	0.00	1.82	0.00	
8.900	9.200	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.000	9.300	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.100	9.400	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.200	9.500	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.300	9.600	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.400	9.700	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.500	9.800	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.600	9.900	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.700	10.000	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.800	10.100	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
9.900	10.200	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12	
vicinity Slate Creek Bridge at 10.258																			
10.000	10.300	0.300	2,500	2	R	0.72	0	0	2	2	4.5625	0.014	0.00	0.00	0.44	0.44	1.85	0.24	
10.100	10.400	0.300	2,500	2	R	0.72	0	0	2	2	4.5625	0.014	0.00	0.00	0.44	0.44	1.85	0.24	
10.200	10.500	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12	
10.300	10.600	0.300	2,500	2	R	0.72	0	1	0	1	4.5625	0.014	0.00	0.22	0.00	0.22	1.85	0.12	
10.400	10.700	0.300	2,500	2	R	0.72	0	1	0	1	4.5625	0.014	0.00	0.22	0.00	0.22	1.85	0.12	
10.500	10.800	0.300	2,500	2	R	0.72	0	1	1	2	4.5625	0.014	0.00	0.22	0.22	0.44	1.85	0.24	
10.600	10.900	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12	
10.700	11.000	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12	
10.800	11.100	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
10.900	11.200	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
11.000	11.300	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
11.100	11.400	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
11.200	11.500	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
11.300	11.600	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00	
11.400	11.700	0.300	2,500	2	R	0.72	0	1	0	1	4.5625	0.014	0.00	0.22	0.00	0.22	1.85	0.12	
11.500	11.800	0.300	2,500	2	R	0.72	0	1	0	1	4.5625	0.014	0.00	0.22	0.00	0.22	1.85	0.12	

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
							Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
KY 90, Cumberland County																		
0.000	15.000	15.000	3,760	2	R	239.00	1	48	58	107	6.862	1.029	0.97	46.63	56.35	103.95	278.74	0.37
0.000	0.300	0.300	2,500	2	R	0.72	0	2	5	7	4.5625	0.014	0.00	0.44	1.10	1.53	1.85	0.83
0.100	0.400	0.300	2,500	2	R	0.72	0	2	1	3	4.5625	0.014	0.00	0.44	0.22	0.66	1.85	0.35
0.200	0.500	0.300	2,500	2	R	0.72	0	2	1	3	4.5625	0.014	0.00	0.44	0.22	0.66	1.85	0.35
0.300	0.600	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
0.400	0.700	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
0.500	0.800	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12
0.600	0.900	0.300	2,500	2	R	0.72	0	0	2	2	4.5625	0.014	0.00	0.00	0.44	0.44	1.85	0.24
0.700	1.000	0.300	2,500	2	R	0.72	0	0	4	4	4.5625	0.014	0.00	0.00	0.88	0.88	1.85	0.47
0.800	1.100	0.300	2,500	2	R	0.72	0	0	3	3	4.5625	0.014	0.00	0.00	0.66	0.66	1.85	0.35
0.900	1.200	0.300	2,500	2	R	0.72	0	0	2	2	4.5625	0.014	0.00	0.00	0.44	0.44	1.85	0.24
1.000	1.300	0.300	2,500	2	R	0.72	0	2	0	2	4.5625	0.014	0.00	0.44	0.00	0.44	1.85	0.24
1.100	1.400	0.300	2,500	2	R	0.72	0	2	1	3	4.5625	0.014	0.00	0.44	0.22	0.66	1.85	0.35
1.200	1.500	0.300	2,500	2	R	0.72	0	2	1	3	4.5625	0.014	0.00	0.44	0.22	0.66	1.85	0.35
1.300	1.600	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12
1.400	1.700	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
1.500	1.800	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
1.600	1.900	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
1.700	2.000	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12
1.800	2.100	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12
1.900	2.200	0.300	2,500	2	R	0.72	0	0	1	1	4.5625	0.014	0.00	0.00	0.22	0.22	1.85	0.12
2.000	2.300	0.300	2,500	2	R	0.72	0	0	0	0	4.5625	0.014	0.00	0.00	0.00	0.00	1.85	0.00
2.100	2.400	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
2.200	2.500	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
2.300	2.600	0.300	3,380	2	R	0.72	0	1	0	1	6.1685	0.019	0.00	0.16	0.00	0.16	1.68	0.10
2.400	2.700	0.300	3,380	2	R	0.72	0	1	0	1	6.1685	0.019	0.00	0.16	0.00	0.16	1.68	0.10
2.500	2.800	0.300	3,380	2	R	0.72	0	1	0	1	6.1685	0.019	0.00	0.16	0.00	0.16	1.68	0.10
2.600	2.900	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
vicinity Redwood Drive at mp 3.011 and Hominy Creek Road at mp 3.104																		
2.700	3.000	0.300	3,380	2	R	0.72	0	4	1	5	6.1685	0.019	0.00	0.65	0.16	0.81	1.68	0.48
2.800	3.100	0.300	3,380	2	R	0.72	0	7	2	9	6.1685	0.019	0.00	1.13	0.32	1.46	1.68	0.87
2.900	3.200	0.300	3,380	2	R	0.72	0	7	1	8	6.1685	0.019	0.00	1.13	0.16	1.30	1.68	0.77
3.000	3.300	0.300	3,380	2	R	0.72	0	4	1	5	6.1685	0.019	0.00	0.65	0.16	0.81	1.68	0.48
3.100	3.400	0.300	3,380	2	R	0.72	0	1	0	1	6.1685	0.019	0.00	0.16	0.00	0.16	1.68	0.10
3.200	3.500	0.300	3,380	2	R	0.72	0	1	0	1	6.1685	0.019	0.00	0.16	0.00	0.16	1.68	0.10
3.300	3.600	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
3.400	3.700	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
3.500	3.800	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
3.600	3.900	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
3.700	4.000	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
3.800	4.100	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
3.900	4.200	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class Rate	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
							Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
4.000	4.300	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
4.100	4.400	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
vicinity KY 3115 at mp 4.415 in Marrowbone																		
4.200	4.500	0.300	3,380	2	R	0.72	0	1	1	2	6.1685	0.019	0.00	0.16	0.16	0.32	1.68	0.19
4.300	4.600	0.300	3,380	2	R	0.72	0	1	2	3	6.1685	0.019	0.00	0.16	0.32	0.49	1.68	0.29
4.400	4.700	0.300	3,380	2	R	0.72	0	1	2	3	6.1685	0.019	0.00	0.16	0.32	0.49	1.68	0.29
4.500	4.800	0.300	3,380	2	R	0.72	0	1	3	4	6.1685	0.019	0.00	0.16	0.49	0.65	1.68	0.39
4.600	4.900	0.300	3,380	2	R	0.72	0	1	2	3	6.1685	0.019	0.00	0.16	0.32	0.49	1.68	0.29
4.700	5.000	0.300	3,380	2	R	0.72	0	1	1	2	6.1685	0.019	0.00	0.16	0.16	0.32	1.68	0.19
4.800	5.100	0.300	3,380	2	R	0.72	0	0	0	0	6.1685	0.019	0.00	0.00	0.00	0.00	1.68	0.00
4.900	5.200	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
vicinity Wisdom Creek Bridge at mp 5.314 and KY 496 at mp 5.337																		
5.000	5.300	0.300	3,380	2	R	0.72	0	0	3	3	6.1685	0.019	0.00	0.00	0.49	0.49	1.68	0.29
5.100	5.400	0.300	3,380	2	R	0.72	0	4	4	8	6.1685	0.019	0.00	0.65	0.65	1.30	1.68	0.77
5.200	5.500	0.300	3,380	2	R	0.72	0	4	3	7	6.1685	0.019	0.00	0.65	0.49	1.13	1.68	0.68
5.300	5.600	0.300	3,380	2	R	0.72	0	4	1	5	6.1685	0.019	0.00	0.65	0.16	0.81	1.68	0.48
5.400	5.700	0.300	3,380	2	R	0.72	0	0	1	1	6.1685	0.019	0.00	0.00	0.16	0.16	1.68	0.10
5.500	5.800	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
5.600	5.900	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
5.700	6.000	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
5.800	6.100	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
5.900	6.200	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.000	6.300	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.100	6.400	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.200	6.500	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
6.300	6.600	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
6.400	6.700	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
6.500	6.800	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
6.600	6.900	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.700	7.000	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.800	7.100	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
6.900	7.200	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.000	7.300	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.100	7.400	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.200	7.500	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.300	7.600	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.400	7.700	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.500	7.800	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
vicinity KY 100 at mp 7.839																		
7.600	7.900	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.700	8.000	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.800	8.100	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
7.900	8.200	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
							Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
vicinity Dutch Creek Bridge at mp 8.229																		
8.000	8.300	0.300	3,700	2	R	0.72	1	2	2	5	6.7525	0.020	0.15	0.30	0.30	0.74	1.64	0.45
8.100	8.400	0.300	3,700	2	R	0.72	1	2	2	5	6.7525	0.020	0.15	0.30	0.30	0.74	1.64	0.45
8.200	8.500	0.300	3,700	2	R	0.72	1	2	2	5	6.7525	0.020	0.15	0.30	0.30	0.74	1.64	0.45
8.300	8.600	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
8.400	8.700	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
8.500	8.800	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
8.600	8.900	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
8.700	9.000	0.300	3,700	2	R	0.72	0	1	2	3	6.7525	0.020	0.00	0.15	0.30	0.44	1.64	0.27
8.800	9.100	0.300	3,700	2	R	0.72	0	1	2	3	6.7525	0.020	0.00	0.15	0.30	0.44	1.64	0.27
8.900	9.200	0.300	3,700	2	R	0.72	0	0	2	2	6.7525	0.020	0.00	0.00	0.30	0.30	1.64	0.18
9.000	9.300	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
9.100	9.400	0.300	3,700	2	R	0.72	0	1	1	2	6.7525	0.020	0.00	0.15	0.15	0.30	1.64	0.18
vicinity Allen Creek Bridge at mp 9.481																		
9.200	9.500	0.300	3,700	2	R	0.72	0	2	1	3	6.7525	0.020	0.00	0.30	0.15	0.44	1.64	0.27
9.300	9.600	0.300	3,700	2	R	0.72	0	1	1	2	6.7525	0.020	0.00	0.15	0.15	0.30	1.64	0.18
9.400	9.700	0.300	3,700	2	R	0.72	0	3	1	4	6.7525	0.020	0.00	0.44	0.15	0.59	1.64	0.36
9.500	9.800	0.300	3,700	2	R	0.72	0	2	1	3	6.7525	0.020	0.00	0.30	0.15	0.44	1.64	0.27
9.600	9.900	0.300	3,700	2	R	0.72	0	2	1	3	6.7525	0.020	0.00	0.30	0.15	0.44	1.64	0.27
9.700	10.000	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
9.800	10.100	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
9.900	10.200	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
10.000	10.300	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
vicinity Norris Branch Road at mp 10.422																		
10.100	10.400	0.300	3,700	2	R	0.72	0	3	0	3	6.7525	0.020	0.00	0.44	0.00	0.44	1.64	0.27
10.200	10.500	0.300	3,700	2	R	0.72	0	3	0	3	6.7525	0.020	0.00	0.44	0.00	0.44	1.64	0.27
10.300	10.600	0.300	3,700	2	R	0.72	0	3	0	3	6.7525	0.020	0.00	0.44	0.00	0.44	1.64	0.27
10.400	10.700	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
10.500	10.800	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
10.600	10.900	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
10.700	11.000	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
10.800	11.100	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
10.900	11.200	0.300	3,700	2	R	0.72	0	0	1	1	6.7525	0.020	0.00	0.00	0.15	0.15	1.64	0.09
vicinity KY 691 at mp 11.273																		
11.000	11.300	0.300	3,700	2	R	0.72	0	0	0	0	6.7525	0.020	0.00	0.00	0.00	0.00	1.64	0.00
11.100	11.400	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
11.200	11.500	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
11.300	11.600	0.300	3,700	2	R	0.72	0	1	0	1	6.7525	0.020	0.00	0.15	0.00	0.15	1.64	0.09
11.400	11.700	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00
11.500	11.800	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00
11.600	11.900	0.300	4,430	2	R	0.72	0	0	1	1	8.0848	0.024	0.00	0.00	0.12	0.12	1.55	0.08
11.700	12.000	0.300	4,430	2	R	0.72	0	0	1	1	8.0848	0.024	0.00	0.00	0.12	0.12	1.55	0.08
11.800	12.100	0.300	4,430	2	R	0.72	0	0	1	1	8.0848	0.024	0.00	0.00	0.12	0.12	1.55	0.08
11.900	12.200	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00

KY 90 Crash Analysis, Metcalfe and Cumberland Counties

Begin MP	End MP	Length (miles)	Average ADT	Number Lanes	Rural / Urban	Functional Class Rate	Crashes				MV	HMVM	Rates per HMVM				Critical Rate	Critical Rate Factor ¹
							Fatal	Injury	PDO	Total			Fatal	Injury	PDO	Total		
12.000	12.300	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00
12.100	12.400	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00
vicinity KY 2276 at mp 12.477																		
12.200	12.500	0.300	4,430	2	R	0.72	0	2	1	3	8.0848	0.024	0.00	0.25	0.12	0.37	1.55	0.24
12.300	12.600	0.300	4,430	2	R	0.72	0	5	1	6	8.0848	0.024	0.00	0.62	0.12	0.74	1.55	0.48
12.400	12.700	0.300	4,430	2	R	0.72	0	8	2	10	8.0848	0.024	0.00	0.99	0.25	1.24	1.55	0.80
12.500	12.800	0.300	4,430	2	R	0.72	0	6	1	7	8.0848	0.024	0.00	0.74	0.12	0.87	1.55	0.56
12.600	12.900	0.300	4,430	2	R	0.72	0	3	1	4	8.0848	0.024	0.00	0.37	0.12	0.49	1.55	0.32
12.700	13.000	0.300	4,430	2	R	0.72	0	0	0	0	8.0848	0.024	0.00	0.00	0.00	0.00	1.55	0.00
12.800	13.100	0.300	4,430	2	R	0.72	0	0	1	1	8.0848	0.024	0.00	0.00	0.12	0.12	1.55	0.08
12.900	13.200	0.300	4,430	2	R	0.72	0	0	1	1	8.0848	0.024	0.00	0.00	0.12	0.12	1.55	0.08
13.000	13.300	0.300	4,430	2	R	0.72	0	0	2	2	8.0848	0.024	0.00	0.00	0.25	0.25	1.55	0.16
13.100	13.400	0.300	4,430	2	R	0.72	0	1	2	3	8.0848	0.024	0.00	0.12	0.25	0.37	1.55	0.24
13.200	13.500	0.300	4,430	2	R	0.72	0	1	5	6	8.0848	0.024	0.00	0.12	0.62	0.74	1.55	0.48
13.300	13.600	0.300	4,430	2	R	0.72	0	1	4	5	8.0848	0.024	0.00	0.12	0.49	0.62	1.55	0.40
13.400	13.700	0.300	4,430	2	R	0.72	0	0	4	4	8.0848	0.024	0.00	0.00	0.49	0.49	1.55	0.32
13.500	13.800	0.300	4,430	2	R	0.72	0	0	5	5	8.0848	0.024	0.00	0.00	0.62	0.62	1.55	0.40
13.600	13.900	0.300	4,430	2	R	0.72	0	1	5	6	8.0848	0.024	0.00	0.12	0.62	0.74	1.55	0.48
13.700	14.000	0.300	4,430	2	R	0.72	0	2	7	9	8.0848	0.024	0.00	0.25	0.87	1.11	1.55	0.72
13.800	14.100	0.300	6,100	2	R	0.72	0	2	6	8	11.133	0.033	0.00	0.18	0.54	0.72	1.42	0.51
vicinity KY 61 at mp 14.113																		
13.900	14.200	0.300	6,100	2	R	0.72	0	3	8	11	11.133	0.033	0.00	0.27	0.72	0.99	1.42	0.70
14.000	14.300	0.300	5,730	2	R	0.72	0	2	5	7	10.457	0.031	0.00	0.19	0.48	0.67	1.44	0.46
14.100	14.400	0.300	5,730	2	R	0.72	0	2	2	4	10.457	0.031	0.00	0.19	0.19	0.38	1.44	0.26
14.200	14.500	0.300	5,730	2	R	0.72	0	0	1	1	10.457	0.031	0.00	0.00	0.10	0.10	1.44	0.07
14.300	14.600	0.300	5,730	2	R	0.72	0	0	1	1	10.457	0.031	0.00	0.00	0.10	0.10	1.44	0.07
14.400	14.700	0.300	5,730	2	R	0.72	0	0	1	1	10.457	0.031	0.00	0.00	0.10	0.10	1.44	0.07
14.500	14.800	0.300	5,730	2	R	0.72	0	0	1	1	10.457	0.031	0.00	0.00	0.10	0.10	1.44	0.07
14.600	14.900	0.300	5,730	2	R	0.72	0	0	1	1	10.457	0.031	0.00	0.00	0.10	0.10	1.44	0.07
14.700	15.000	0.300	3,940	2	R	0.72	0	4	2	6	7.1905	0.022	0.00	0.56	0.28	0.83	1.60	0.52

Source: KYTC Highway Information System (HIS). Research period is January 2000 to December 2004.

¹ Critical Rate Factors that are statistically high are shaded as follows.

- High crash locations (i.e., CRF equal to or greater than 1.00).
- Potentially high crash locations (i.e., CRF equal to or greater than 0.90 and less than 1.00).