

TABLE 3 --- Crash Analysis

Begin MP	End MP	Length (miles)	ADT (veh/day)	Crashes				HMVM	Fatal Rate	Injury Rate	PDO Rate	Total Rate	Critical Rate Factor ²		
				Fatal	Injury	PDO	Total						Fatal	Injury	Total
US 119, Harlan County															
13.213	14.552	1.34	9,200	2	11	12	25	0.2248	8.90	48.93	53.38	111.20	0.81	0.62	0.58
14.552	16.152	1.60	7,000	2	20	12	34	0.2044	9.78	97.85	58.71	166.34	0.85	1.20	0.85
16.152	33.907	17.76	5,400	1	35	102	138	1.7498	0.57	20.00	58.29	78.87	0.13	0.36	0.52
33.907	35.738	1.83	4,400	0	14	5	19	0.147	0.00	95.22	34.01	129.23	0.00	1.07	0.62
35.738	39.182	3.44	3,800	0	13	7	20	0.2388	0.00	54.43	29.31	83.74	0.00	0.70	0.44
US 119, Letcher County															
0	1.385	1.39	2,800	1	19	17	37	0.0708	14.13	268.46	240.20	522.79	0.66	2.41	2.14
1.385	9.392	8.01	1,800	1	41	28	70	0.263	3.80	155.88	106.45	266.13	0.38	2.04	1.43
9.392	10.309	0.92	1,700	0	10	5	15	0.0284	0.00	351.49	175.75	527.24	0.00	2.22	1.66
10.309	12.967	2.66	1,700	0	11	27	38	0.0825	0.00	133.39	327.41	460.80	0.00	1.26	1.96
12.967	13.41	0.44	1,900	0	1	5	6	0.0154	0.00	65.10	325.50	390.60	0.00	0.31	0.99
13.41	13.699	0.29	1,900	0	0	1	1	0.01	0.00	0.00	99.79	99.79	0.00	0.00	0.21
13.699	14.395	0.70	1,900	0	0	1	1	0.0241	0.00	0.00	41.44	41.44	0.00	0.00	0.12
14.395	17.551	3.16	3,300	1	34	43	78	0.1901	5.26	178.88	226.23	410.37	0.44	2.16	2.08
US 421, Harlan County															
17.851	18.131	0.28	2,500	0	3	8	11	0.0128	0.00	234.83	626.22	861.06	0.00	0.74	1.35
18.131	24.941	6.81	2,600	0	52	70	122	0.3231	0.00	160.92	216.63	377.55	0.00	1.35	1.20
24.941	27.632	2.69	2,600	0	8	8	16	0.1277	0.00	62.65	62.65	125.31	0.00	0.43	0.35
US 421, Leslie County															
0	15.2	15.20	2,000	2	92	52	146	0.5548	3.60	165.83	93.73	263.16	0.40	1.52	0.88
15.2	21.041	5.84	5,200	2	85	35	122	0.5543	3.61	153.34	63.14	220.09	0.40	1.40	0.74
21.041	21.949	0.91	10,200	1	42	20	63	0.169	5.92	248.49	118.33	372.73	0.38	1.83	1.09
21.949	22.212	0.26	10,100	0	17	15	32	0.0485	0.00	350.68	309.42	660.10	0.00	1.83	1.52
22.212	22.689	0.48	7,800	0	12	6	18	0.0679	0.00	176.73	88.36	265.09	0.00	0.90	0.61
22.689	35.4	12.71	1,900	5	113	41	159	0.4408	11.34	256.38	93.02	360.75	1.03	1.95	1.08
KY 160, Harlan County															
11.092	11.6	0.51	11,700	0	7	9	16	0.1085	0.00	64.53	82.97	147.51	0.00	0.37	0.37
11.6	11.809	0.21	10,100	0	3	3	6	0.0385	0.00	77.87	77.87	155.75	0.00	0.34	0.31
11.809	12.954	1.15	2,300	0	5	11	16	0.0481	0.00	104.03	228.87	332.91	0.00	0.48	0.71
12.954	14.584	1.63	1,500	0	15	11	26	0.0446	0.00	336.16	246.52	582.68	0.00	1.52	1.22
KY 160, Letcher County															
0	1.6	1.60	1,500	0	13	10	23	0.0438	0.00	296.80	228.31	525.11	0.00	1.33	1.09
1.6	9.477	7.88	1,100	0	10	17	27	0.1581	0.00	63.24	107.51	170.74	0.00	0.40	0.45
9.477	21.843	12.37	1,700	1	39	45	85	0.3837	2.61	101.65	117.29	221.55	0.22	0.76	0.65

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KY 221, Harlan County															
8.859	11.415	2.56	2,600	0	7	17	24	0.1213	0.00	57.72	140.17	197.89	0.00	0.34	0.50
11.415	26.767	15.35	700	1	39	26	66	0.1961	5.10	198.86	132.57	336.53	0.32	1.31	0.92
KY 221, Leslie County															
0	1.881	1.88	600	0	1	2	3	0.0206	0.00	48.55	97.10	145.65	0.00	0.17	0.25
KY 221, Perry County															
0	0.486	0.49	260	1	0	0	1	0.0023	433.64	0.00	0.00	433.64	1.38	0.00	0.32
KY 699, Leslie County															
0	15.993	15.99	1,500	0	74	31	105	0.4378	0.00	169.02	70.81	239.83	0.00	1.28	0.72
KY 699, Perry County															
0	12.463	12.46	2,100	2	58	34	94	0.4776	4.19	121.43	71.18	196.80	0.39	0.94	0.59
KY 118, Leslie County															
0	3.524	3.52	4,500	4	19	12	35	0.2894	13.82	65.65	41.46	120.94	1.15	0.54	0.38
KY 80, Leslie County															
0	9.719	9.72	3,200	1	111	50	162	0.5676	1.76	195.56	88.09	285.42	0.18	1.54	0.88
KY 80, Perry County															
0	7	7.00	3,800	3	102	81	186	0.4855	6.18	210.11	166.86	383.15	0.82	3.14	2.24
7	7.91	0.91	9,600	0	43	34	77	0.1594	0.00	269.71	213.26	482.96	0.00	1.50	3.03
DB 9006, Daniel Boone Parkway, Leslie County															
35.929	44.063	8.13	5,300	3	33	20	56	0.7868	3.81	41.94	25.42	71.18	0.62	0.68	0.44
44.063	44.382	0.32	5,700	0	1	9	10	0.0332	0.00	30.14	271.22	301.35	0.00	0.20	1.00
44.382	51.026	6.64	5,900	1	16	25	42	0.7154	1.40	22.37	34.95	58.71	0.22	0.36	0.36
DB 9006, Daniel Boone Parkway, Perry County															
51.026	58.232	7.21	6,900	3	64	38	105	0.9074	3.31	70.53	41.88	115.71	0.57	1.18	0.73
58.232	59.088	0.86	12,800	0	25	28	53	0.2	0.00	125.02	140.03	265.05	0.00	2.22	1.55
KY 7, Letcher County															
0	6.998	7.00	1,600	0	59	25	84	0.2043	0.00	288.73	122.34	411.08	0.00	1.92	1.13
6.998	13.497	6.50	4,000	1	78	34	113	0.4744	2.11	164.41	71.67	238.18	0.20	1.26	0.72
13.497	13.819	0.32	10,300	0	2	0	2	0.0605	0.00	33.04	0.00	33.04	0.00	0.28	0.13
13.819	14.157	0.34	10,300	0	6	2	8	0.0635	0.00	94.44	31.48	125.91	0.00	0.47	0.28
KY 7, Perry County															
0	13.557	13.56	3,400	3	98	86	187	0.8412	3.57	116.50	102.23	222.30	0.41	0.97	0.70

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KY 15, Letcher County															
0	1.095	1.10	14,900	0	42	28	70	0.2978	0.00	141.05	94.04	235.09	0.00	1.90	1.29
1.095	1.389	0.29	14,900	0	0	0	0	0.0799	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.389	1.845	0.46	13,800	0	0	0	0	0.1148	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.845	2.284	0.44	9,900	0	17	25	42	0.0793	0.00	214.33	315.19	529.53	0.00	2.00	2.23
2.284	2.52	0.24	11,200	0	9	12	21	0.0482	0.00	186.57	248.76	435.34	0.00	1.46	1.61
2.52	3.265	0.75	11,200	1	13	4	18	0.1523	6.57	85.37	26.27	118.20	0.48	0.97	0.57
3.265	4.625	1.36	11,200	1	32	15	48	0.278	3.60	115.11	53.96	172.67	0.37	1.53	0.93
4.625	5.878	1.25	11,200	3	33	11	47	0.2561	11.71	128.85	42.95	183.51	1.14	1.68	0.98
5.878	6.888	1.01	10,900	3	24	12	39	0.2009	14.93	119.45	59.73	194.11	1.28	1.46	0.99
6.888	7.654	0.77	10,700	0	15	3	18	0.1496	0.00	100.28	20.06	120.34	0.00	1.13	0.58
7.654	9.23	1.58	10,600	3	50	16	69	0.3049	9.84	164.00	52.48	226.32	1.05	2.22	1.24
9.23	9.667	0.44	7,300	0	12	16	28	0.0582	0.00	206.12	274.82	480.94	0.00	1.72	1.87
9.667	10.657	0.99	7,300	1	12	6	19	0.1319	7.58	90.98	45.49	144.06	0.52	0.99	0.68
KY 15, Perry County															
0	4	4.00	8,900	2	169	142	313	0.6497	3.08	260.12	218.56	481.76	0.46	4.10	2.92
4	4.95	0.95	9,700	0	16	5	21	0.1682	0.00	95.14	29.73	124.87	0.00	1.11	0.62
4.95	6.005	1.06	9,700	1	19	13	33	0.1868	5.35	101.73	69.61	176.70	0.44	1.22	0.89
6.005	11.119	5.11	13,600	0	137	85	222	1.2693	0.00	107.93	66.97	174.90	0.00	2.93	1.31
11.119	13.4	2.28	19,400	1	134	81	216	0.8076	1.24	165.93	100.30	267.46	0.39	4.16	1.92
13.4	13.601	0.20	30,500	0	69	71	140	0.1119	0.00	616.72	634.60	1251.32	0.00	9.09	6.46
13.601	13.78	0.18	24,400	0	3	3	6	0.0797	0.00	37.64	37.64	75.27	0.00	0.49	0.36
13.78	15.3	1.52	23,800	1	104	81	186	0.6602	1.51	157.53	122.69	281.73	0.43	3.79	1.97
KY 463, Letcher County															
0	3.307	3.31	1,200	0	9	5	14	0.0724	0.00	124.27	69.04	193.31	0.00	0.65	0.45
KY 463, Perry County															
0	6.521	6.52	1,600	0	9	12	21	0.1904	0.00	47.27	63.02	110.29	0.00	0.31	0.30

Source: KYTC Highway Information System (HIS)

¹ Report period covers the 5 years from 1997 to 2001.

² Critical Rate Factors that are statistically high (i.e., equal to or greater than 1.00) are shaded.