



Appendix B – Crash Data

Critical Crash Rate Factor (CRF) Analysis (2008 - 2010)

Guthrie "Knot" Planning Study

KYTC Item #3-8630.00

County	District	Prefix	Route	Beginning Milepoint	Ending Milepoint	Number of Crashes	Number of			Number Killed	Number Injured	ADT	Road Type	RSE_Unique	CRF	
							Darkness Crashes	Run-Off-Road Crashes	Fatal Crashes							
Todd	3	US	79	0.000	0.281	7	1	1	0	3	0	5	7101	Rural 2-lane	110 US-79	0.660
Todd	3	US	79	0.282	0.497	5	1	2	0	2	0	2	6574	Rural 2-lane	110 US-0079	0.596
Todd	3	US	79	0.498	1.864	7	1	3	0	1	0	1	3451	Rural 2-lane	110 US-0079	0.354
Todd	3	KY	181	0.000	0.214	9	0	2	0	1	0	2	2608	Rural 2-lane	110 KY-181	1.914
Todd	3	KY	181	0.215	1.432	6	2	4	0	2	0	3	2608	Rural 2-lane	110 KY-0181	0.408
Todd	3	US	41	2.019	2.300	3	0	2	0	0	0	0	1919	Rural 2-lane	110 US-0041	0.651
Todd	3	US	41	2.301	2.507	3	0	0	0	0	0	0	1978	Rural 2-lane	110 US-41	0.763
Todd	3	US	41	2.508	3.945	4	1	0	1	1	2	3	1919	Rural 2-lane	110 US-41	0.301
Todd	3	KY	294	1.946	2.909	1	0	0	0	0	0	0	714	Rural 2-lane	110 KY-294	0.188
Todd	3	KY	2128	0.000	0.201	0	0	0	0	0	0	0	700	Rural 2-lane	110 KY-2128	--

Crash Spot Analysis (2008-2010)
 Guthrie "Knot" Planning Study
 KYTC Item #3-8630.00
 4/18/2011

STUDY PERIOD IN YEARS 3

<u>Route</u>	<u>Spot</u>	<u>Description</u>	<u>Avg AADT</u>	<u>MP</u>	<u>Begin MP</u>	<u>End MP</u>	<u>Segment Length</u>	<u>Number of Crashes</u>	<u>Spot Crash Rate</u>	<u>Functional Class</u>	<u>M (MV)</u>	<u>Calculated Critical Crash Rate</u>	<u>CCRF</u>
US 79	1	KY 181 intersection	6,500	0.281	0.181	0.381	0.200	9	1.26	Rural Two-Lane	11.86	1.44	0.88
US 79	2	US 41 intersection	3,500	0.497	0.397	0.597	0.200	3	0.78	Rural Two-Lane	6.39	1.71	0.46
US 41	3	KY 181 intersection	1,600	2.507	2.407	2.607	0.200	3	1.71	Rural Two-Lane	2.92	2.23	0.77
US 41	4	US 79 intersection	4,000	2.300	2.200	2.400	0.200	1	0.23	Rural Two-Lane	7.30	1.81	0.13
KY 181	5	US 41 intersection	2,100	0.214	0.114	0.314	0.200	5	2.17	Rural Two-Lane	3.83	2.21	0.98
KY 181	6	US 79 intersection	1,900	0.000	0.000	0.100	0.100	4	1.92	Rural Two-Lane	3.47	2.29	0.84