

# KENTUCKY SAFETY CIRCUIT RIDER PROGRAM

Lance Meredith



UNIVERSITY OF KENTUCKY

---

College of Engineering  
Kentucky Transportation Center

# Kentucky Statistics

- 422 Cities
- 120 Counties
- 49,559 Mi. Local Roads
- 28,803 other and State
- 77% Local Roads Rural
- Cities/Counties  
Maintain 93%
- Driver Inattention No. 1  
cause of crashes



# TYPE OF COLLISION

## PERCENT OF CRASHES

TYPE OF COLLISION	TOTAL	FATAL
Other Motor Vehicle	66.0	41.3
Fixed Object	19.6	40.2
Pedestrian	0.7	6.7
Overturned	0.9	5.0
Parked Vehicle	5.4	0.7
Deer/Animal	3.4	0.4

# FHWA & Kentucky Transportation Cabinet Highway Safety Grant, funds the KY Safety Circuit Rider Program

## What is the Kentucky Safety Circuit Rider Program?

Program from FHWA & the Kentucky Transportation Cabinet Grant to furnish Technical Support and Training to Local Governments to reduce:

1. Roadway Departure and Collisions with fixed objects
2. Crashes at Intersections
3. Pedestrian Crashes
4. Increase the efficiency and accuracy of crash reporting systems on Kentucky's Rural Two-Lane Local Roads



# Selection of Focus Counties

## HOW WILL IT WORK?

- Select 12 Focus Counties
- Utilize Crash Related Data 2002-2006
  - Crash Analysis by Ken Agent & Lance Meredith
  - “Road Safety Reviews” for proactive approach
- Partnerships
  - Local Governments
  - Federal Highway Administration
  - Kentucky Transportation Cabinet
  - Area Development Districts

**FISHING**



# Low-Cost, Safety Improvements on Rural Roads

<u>GOVERNMENTAL UNIT</u>	<u>ATTENDED TRAINING</u>	<u>PERCENT OF TOTAL</u>
COUNTIES	78	65
CITIES	32	7
HIGHWAY DISTRICT OFFICES	10	83
AREA DEVELOPMENT DISTRICTS	12	80

N	AGENCY	LOCAL CD	STATUS	COUNTY	ROADWAY ID	MILEPT	COLL DATE	TIME	KILL	INJ	WEATHER	RDWY COND	H&R	RDWY TYPE	UPDATE DT
723663	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/02/26	2235	0	0	BLOWING SAND/S	ICE	N	COUNTY ROAD	2002/03/1
842218	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD	000.500	2001/10/30	0833	0	0	CLEAR	DRY	N	COUNTY ROAD	2001/11/0
842374	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD	001.000	2001/07/27	0905	0	0	CLOUDY	DRY	N	COUNTY ROAD	2001/08/0
842530	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2001/09/06	0150	0	1	CLEAR	DRY	Y	COUNTY ROAD	2001/11/0
842702	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2001/04/16	0400	0	0	CLOUDY	DRY	N	COUNTY ROAD	2001/04/2
842703	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2001/04/21	0001	0	0	CLEAR	DRY	Y	COUNTY ROAD	2001/04/2
861317	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD	018.205	2001/01/31	2150	0	0	CLOUDY	DRY	N	COUNTY ROAD	2001/03/1
028243	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/05/20	0830	0	0	CLEAR	DRY	N	COUNTY ROAD	2002/05/2
041052	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/09/20	1510	0	0	CLEAR	DRY	N	COUNTY ROAD	2002/09/3
042548	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/10/11	1240	0	1	CLEAR	DRY	N	COUNTY ROAD	2002/10/1
043703	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/10/23	1528	0	2	CLEAR	DRY	N	COUNTY ROAD	2002/10/2
051017	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/12/31	1600	0	0	RAINING	WET	N	COUNTY ROAD	2003/01/0
059441	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2003/03/20	1321	0	0	CLOUDY	DRY	N	COUNTY ROAD	2003/03/2
061139	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2003/04/07	1905	0	0	CLEAR	DRY	N	COUNTY ROAD	2003/04/0
103452	KSP0400	48544	ACCEPTED	047	DECKARD SCHOOL RD		2004/01/03	1345	0	0	CLEAR	DRY	N	COUNTY ROAD	2004/01/0
109333	KSP0400	50074	ACCEPTED	047	DECKARD SCHOOL RD		2004/02/05	1215	0	1	RAINING	SNOW/SLUSH	N	COUNTY ROAD	2004/02/1
117236	KSP0400	52389	ACCEPTED	047	DECKARD SCHOOL RD		2004/03/23	1945	0	0	CLEAR	DRY	N	COUNTY ROAD	2004/03/2
125122	KSP0400	54367	ACCEPTED	047	DECKARD SCHOOL RD		2004/04/29	1433	0	0	CLEAR	DRY	N	COUNTY ROAD	2004/05/0
150080	KSP0400	60819	ACCEPTED	047	DECKARD SCHOOL RD		2004/08/16	2345	0	0	CLEAR	DRY	Y	COUNTY ROAD	2004/08/2
154493	KSP0400	61758	ACCEPTED	047	DECKARD SCHOOL RD		2004/09/09	1100	0	0	CLEAR	DRY	N	COUNTY ROAD	2004/09/1
051222	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD		2002/12/25	1820	0	4	CLOUDY	ICE	N	COUNTY ROAD	2003/01/0
021190	KSP0400		ACCEPTED	047	DECKARD SCHOOL RD.		2002/03/02	1450	0	0	CLOUDY	WET	N	COUNTY ROAD	2002/03/0

<b>HARDIN COUNTY</b>			
<b>ROUTE</b>	<b># CRASHES</b>	<b># INJURIES</b>	<b># FATALITIES</b>
DECKARD SCHOOL	87	35	2
WOOLDRIDGE FERRY	31	16	0
SPRINGFIELD	26	12	0
TUNNEL HILL	24	6	0
BEWLEY HOLLOW	23	9	0
BOONE	15	5	1
BURNS	14	7	0
SPORTSMAN LAKE	14	2	0
MIDDLE CREEK	13	5	0
STARMILLS - EASTVIEW	12	8	0
BERRYTOWN	10	3	0
EASTERN	10	4	0
AUDUBON TRACE	9	1	1
CENTER POINT	9	8	0
HAYDEN SCHOOL	9	4	0
MILLER	9	4	2

<b>DATE</b>		<b>3/23/2004</b>	<b>4/5/2004</b>	<b>4/13/2004</b>
<b>TIME</b>		<b>19:45</b>	<b>15:55</b>	<b>10:42</b>
<b>LATITUDE</b>		<b>37 DEG 48.550 MIN</b>	<b>37 DEG 49.099 MIN</b>	<b>37 DEG 47.322 MIN</b>
<b>LONGITUDE</b>		<b>85 DEG 55.520 MIN</b>	<b>85 DEG 58.358 MIN</b>	<b>85 DEG 56.622 MIN</b>
<b>WEATHER</b>		<b>CLEAR</b>	<b>CLEAR</b>	<b>SNOW</b>
<b>ROADWAY COND.</b>		<b>DRY</b>	<b>DRY</b>	<b>SNOW</b>
<b>DIRECTION</b>		<b>NORTH/SOUTH</b>	<b>SOUTH/SOUTH</b>	<b>SOUTH</b>
<b>LOCATION</b>			<b>AT LISA LANE</b>	
<b>FEATURE</b>			<b>INTERSECTION</b>	
<b>TYPE</b>		<b>SIDESWIPE OPP. DIR.</b>	<b>REAR END</b>	<b>RUN OFF ROADWAY</b>
<b># INJURIES</b>		<b>0</b>	<b>0</b>	<b>1</b>
<b># FATALITIES</b>		<b>0</b>	<b>0</b>	<b>0</b>
<b># VEHICLES</b>		<b>2</b>	<b>2</b>	<b>1</b>



















2006. 5. 22





















# 2005 PROGRAM

## CRASH REDUCTION

CRASHES - 30.4 %

# 2006 PROGRAM

## CRASH REDUCTIONS

➤ CRASHES - 49.9 %

➤ INJURIES - 48.6 %

➤ FATALITIES - 100 %

# 2006 PROGRAM

## COUNTYWIDE CRASH REDUCTIONS

- CRASHES - 1.9 %
- INJURIES - 29.4 %
- FATALITIES - 100 %

# 2006 PROGRAM

## BRACKEN COUNTY

TOTAL MAINTAINED - 163 MILES

TOTAL CLEARED - 115 MILES

PERCENTAGE - 70.6 %

# 2006 PROGRAM

## BRACKEN COUNTY COUNTYWIDE CRASH REDUCTION

- CRASHES - 57.1 %
- INJURIES - 43.1 %
- FATALITIES - 100 %



OCT • 61 •





**TRUCK WRECK**—The driver of a dump truck, wreckage of which is shown above, was killed yesterday afternoon when the vehicle went out of control on the Paris-Georgetown Pike. The victim was Nelson Meredith, 20, whose address was listed as Oneida, Clay County, and Beespring, Edmonson County. Witnesses said the truck hit posts on both sides of the road, went over an embankment and hit a large tree. (Photo by Herald Correspondent).



OCT • 57

