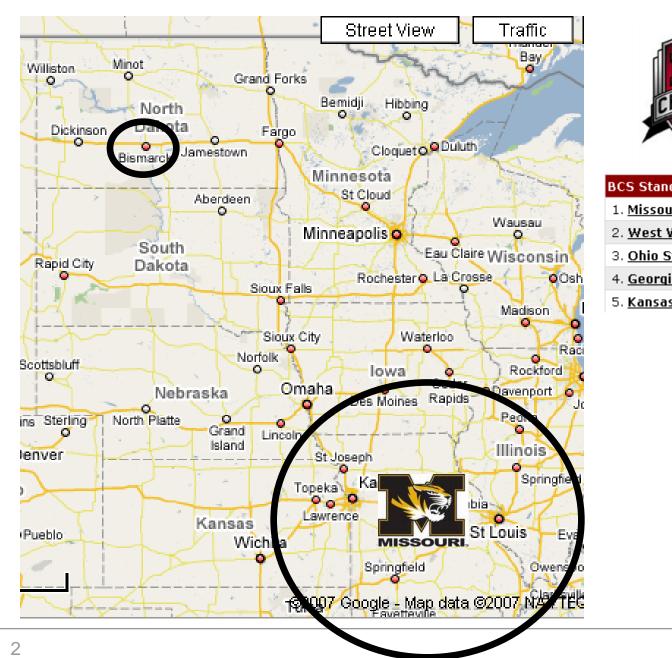
## Moving the Numbers

#### **Missouri's System Approach to Safety**

11/29/2007

Brian Chandler, P.E., PTOE Traffic Safety Engineer Missouri DOT





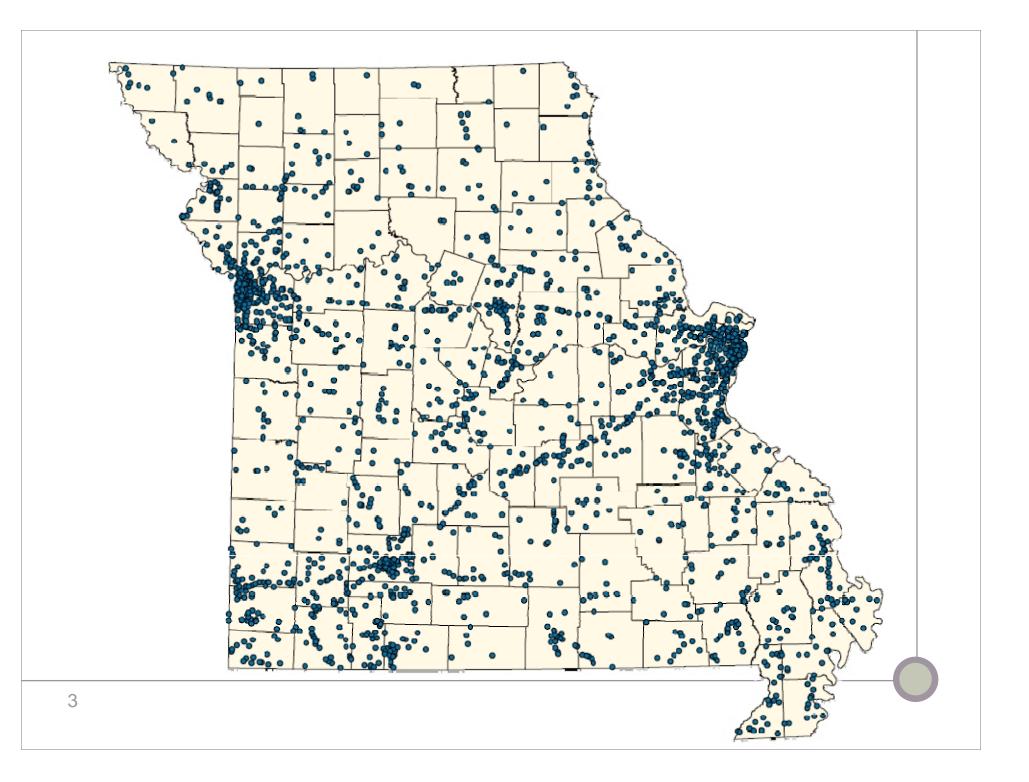
#### BCS Standings

1. Missouri 11-1

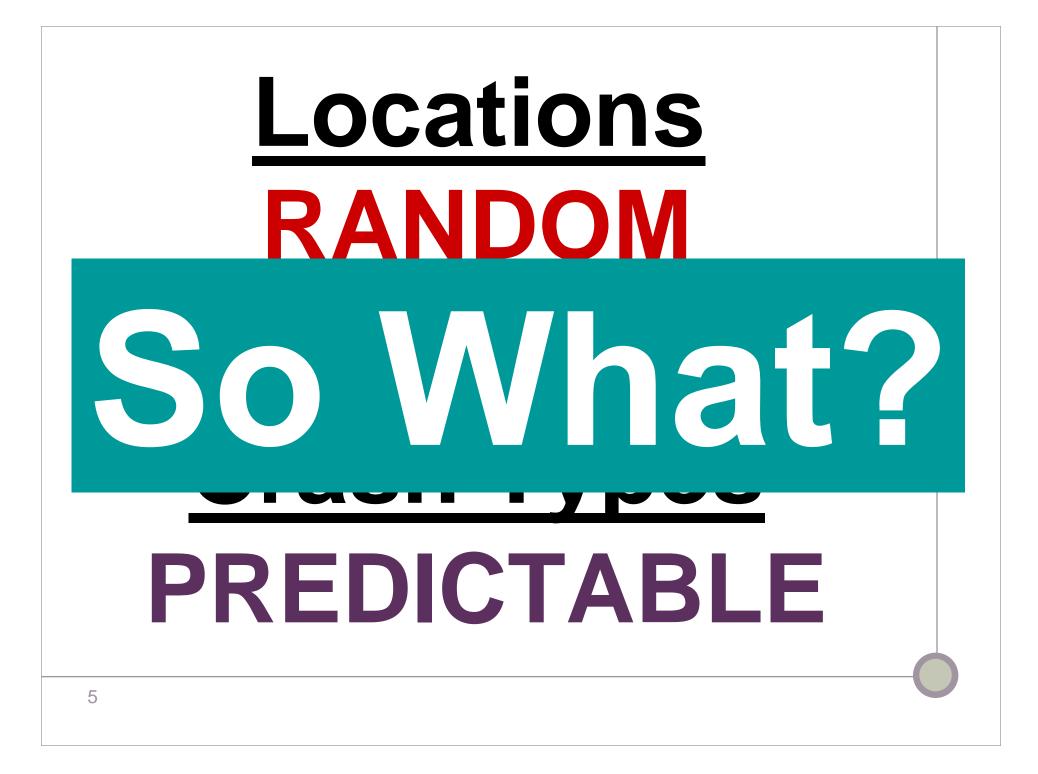
2. West Virginia 10-1

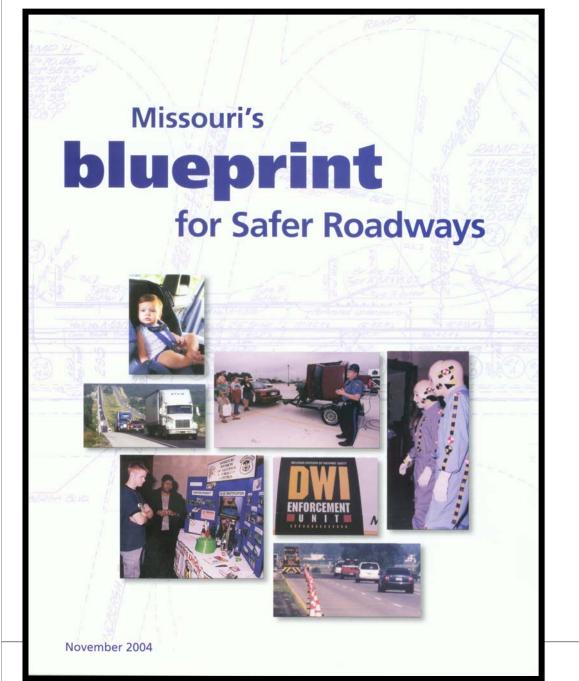
3. Ohio State 11-1

- 4. Georgia 10-2
- 5. <u>Kansas</u> 11-1



Description	Total Fatalities	Description	Total Disabling Injuries
		Severely Injured in Run-Off-Road	
Nonuse of Occupant Protection Devices	1,876	Collisions	10,652
		Aggressive Driving Involved	
		Following too close	1,536
		Too fast for conditions	7,001
		<ul> <li>Speed exceeded limit</li> </ul>	1,777
Killed in Run-Off-Road Crashes	1,685	TOTAL for 3 conditions	10,314
Aggressive Driving Involved			
<ul> <li>Following too close</li> </ul>	79		
<ul> <li>Too fast for conditions</li> </ul>	962		
<ul> <li>Speed exceeded limit</li> </ul>	603		
		Nonuse of Occupant Protection	6.020
TOTAL for 3 conditions	1,644	Devices	8,030
Horizontal Curves Involved	1,249	Young Drivers—Less than 21 Involved	7,329
Distracted/Fatigued Drivers Involved	884	Horizontal Curves Involved	7,180
Alcohol & Other Drugs Involved	840	Distracted/Fatigued Drivers Involved	6,781
Ē		Severely Injured in Unsignalized	· · · ·
Young Drivers—Less than 21 Involved	782	Intersection Crashes	4,221
Killed in Head-On Crashes	629	Alcohol and Other Drugs Involved	4,148
Commercial Vehicles Involved	555	Severely Injured in Collision w/ Tree	2,778
Killed in Collision w/Tree	479	Severely Injured in Head-On Crashes	2,675
		Severely Injured in Signalized	
Unlicensed Drivers Involved	432	Intersection Crashes	2,593
Older Drivers—65-75 Involved	304	Unlicensed Drivers Involved	2,160
Older Drivers – 76 or Older Involved	275	Older Drivers – 65-75 Involved	2,026
Killed in Unsignalized Intersection			





 Goal
 Focus
 System Solutions
 E's

## **Essential Eight**

- 1. Primary Seat Belt Law
- 2. Public Education
- 3. Targeted Enforcement
- 4. Punish Drunk Drivers
- 5. Median Cable Barrier
- 6. Rumble Strips
- 7. Signs & Stripes
- 8. Shoulders





#### BCS Standings

- 1. <u>Missouri</u> 11-1
- 2. <u>West Virginia</u> 10-1
- 3. <u>Ohio State</u> 11-1
- 4. <u>Georgia</u> 10-2
- 5. <u>Kansas</u> 11-1

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9					



### **Safety Engineering Solutions**

11/29/2007

#### **System Improvements**

Description	Total Fatalities
Nonuse of Occupant Protection Devices	1,876
Killed in Run-Off-Road Crashes	<mark>1,685</mark>
Aggressive Driving Involved	
<ul> <li>Following too close</li> </ul>	79
<ul> <li>Too fast for conditions</li> </ul>	962
<ul> <li>Speed exceeded limit</li> </ul>	603
TOTAL for 3 conditions	1,644
Horizontal Curves Involved	<mark>1,249</mark>
Distracted/Fatigued Drivers Involved	<mark>884</mark>
Alcohol & Other Drugs Involved	840
Young Drivers-Less than 21 Involved	782
Killed in Head-On Crashes	<mark>629</mark>
Commercial Vahialas Invalved	555

## **System Improvements**

32,000 miles

	<u>Major</u>	Minor
Roadway Miles	5,000	27,000
Miles Traveled	80%	20%
Fatalities	45%	55%





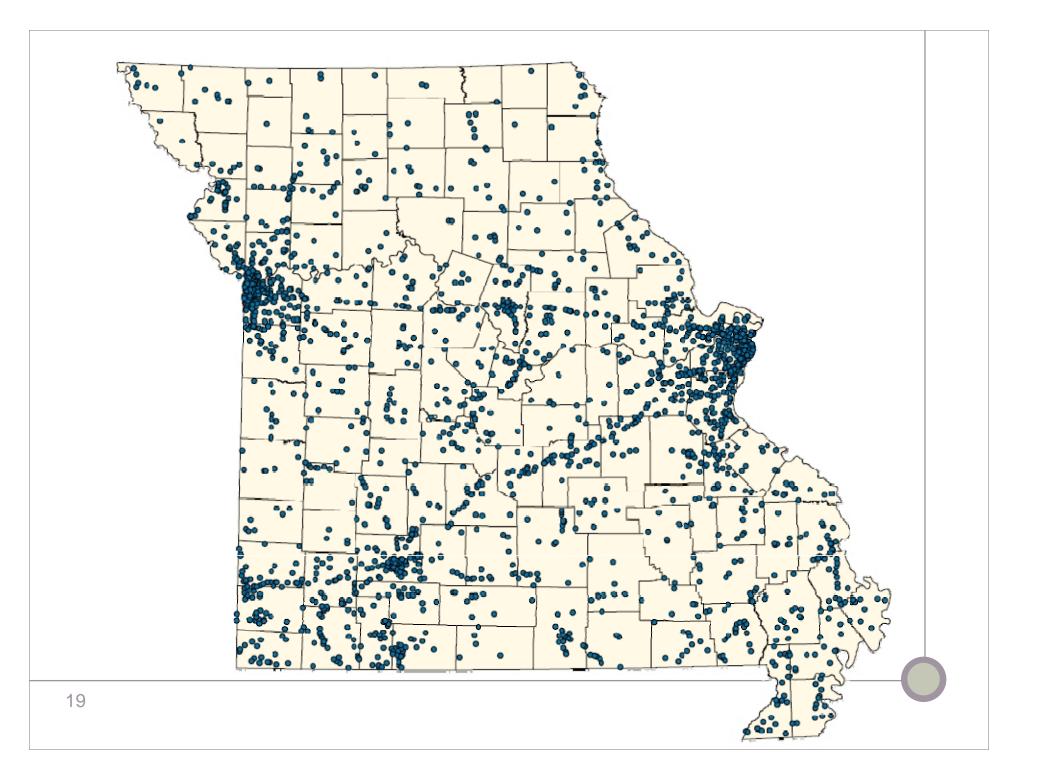


### **New MoDOT Policies**

- Rumble Stripes
- 6-inch Markings
- Curve Speed Plates







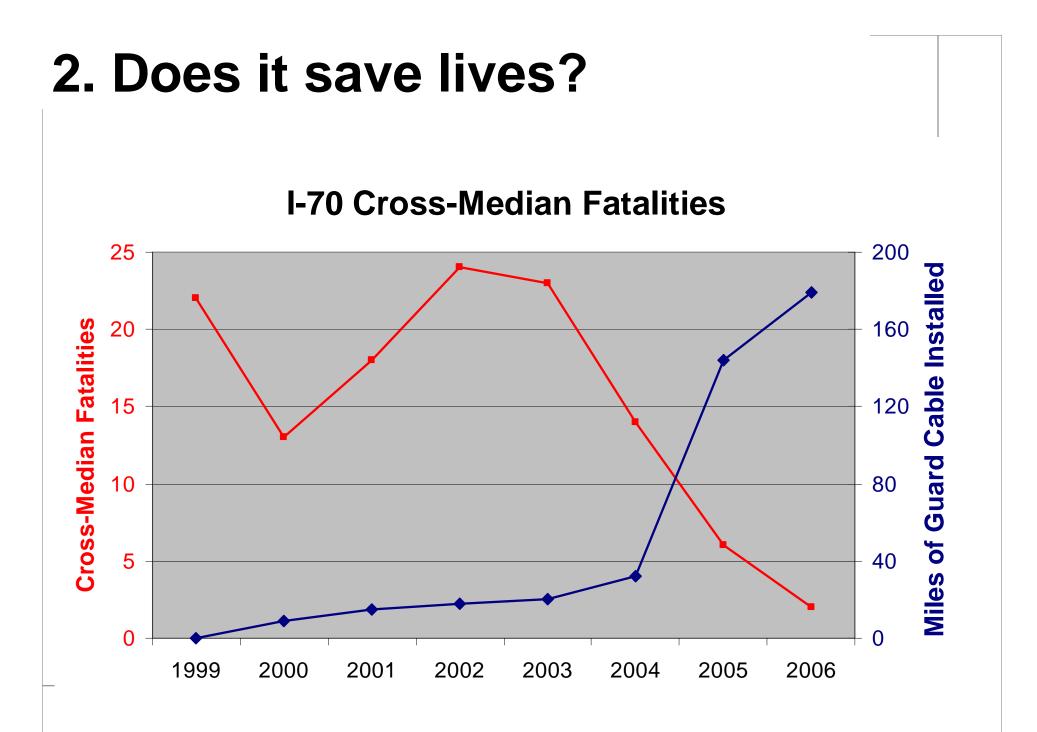
### **Evaluation**

## 1. Does it work?

## 2. Does it save lives?

### 1. Does it work?



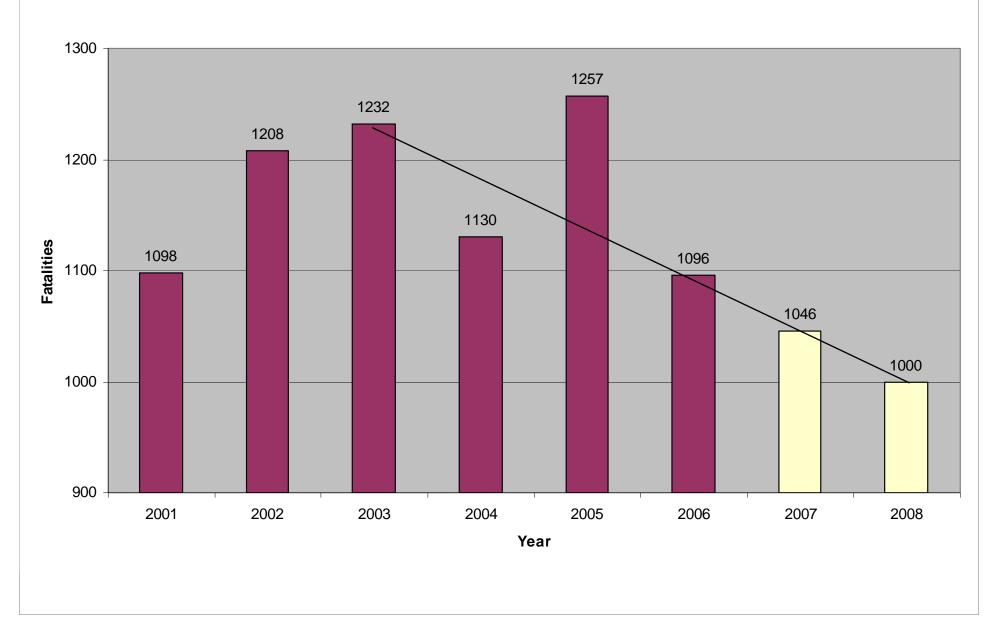


### **The Big Picture**

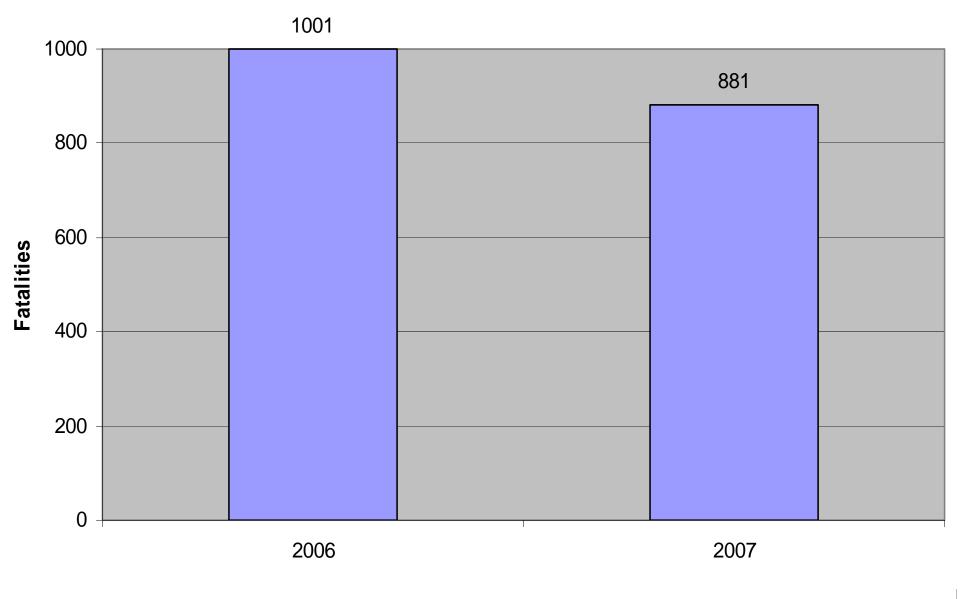
#### **System Improvements Saving Lives**

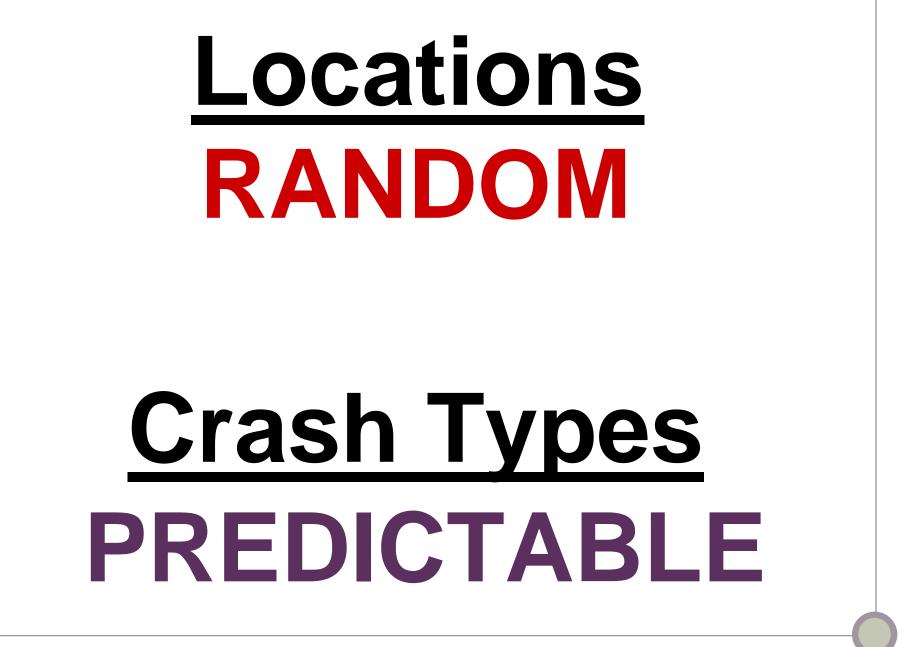
11/29/2007

### **Missouri Fatalities**



### Missouri Fatalities (as of Monday, November 25)





# **Questions?** 11/29/2007 Brian Chandler, P.E., PTOE **Traffic Safety Engineer** Missouri Department of Transportation 573-751-5678

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