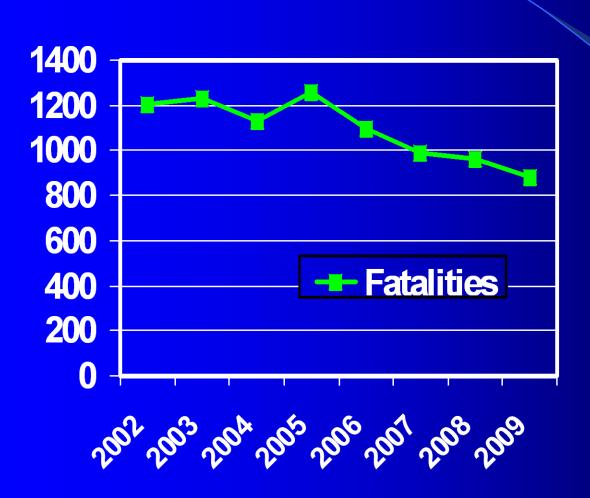
Making Highways Safer

Innovations and Solutions



8 Year Fatality Trend



2002 = 1,208

2003 = 1,232

2004 = 1,130

2005 = 1,257

2006 = 1,096

2007 = 992

2008 = 960

2009 = 880



Fatal Crash Locations are Random Fatal Crash Types are Not

People continue to die on our roadways making the same mistakes year after year

2006

No Seat Belt

Run Off Road

Aggressive

Curves

Impaired

2007

No Seat Belt

Run Off Road

Aggressive

Curves

Impaired

2008

No Seat Belt

Run Off Road

Aggressive

Curves

Impaired

2009

No Seat Belt

Run Off Road

Aggressive

Curves

Impaired



Fatality Locations

	2005 Fatalities							
	Total		Rural		Urban			
State System	967	77%	686	71%	281	29%		
Non-State	290	23%	110	38%	180	62%		
Total	1,257		796	63%	461	37%		

	2009 Fatalities							
	T	otal	Rural		Urb <mark>an</mark>			
State System	654	74%	473	72%	181	28%		
Non-State	226	26%	87	38%	139	62 <mark>%</mark>		
Total	880	100%	560	64%	320	36%		

Rural Solutions

System-wide Applications

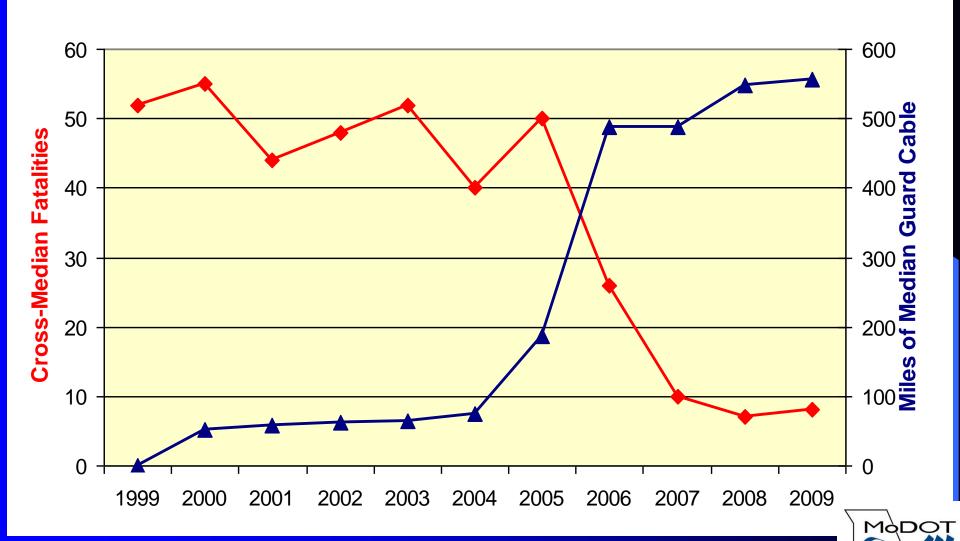
Roadway Design

Intelligent Transportation System

Rural Emergency Response



Interstate Cross-Median Fatalities and Median Guard Cable Installation









- Curve Speed Plaques
 - Every Curve/Turn sign





- >Improved Signs
 - Larger & more visible





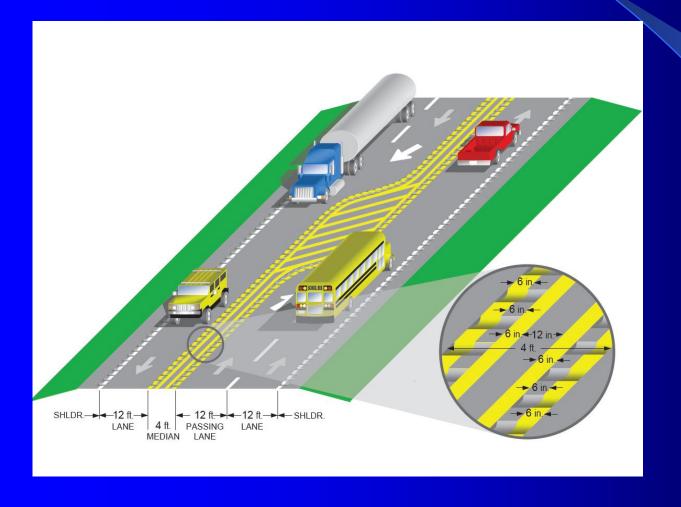




Results of Safety Solutions

- Reduced lane departure fatalities by 41% on state system major routes.
- Reduced nighttime fatal and disabling injury crashes on rural roads 25% to 77%.
- Received an estimated \$9.70 in benefits for every dollar spent
- 79 percent of Missouri motorists surveyed believe the improvements have been a good investment

Roadway Design Shared Four-Lane Roadway



Benefits Shared Four-Lane

Faster

Less time spent behind slow-moving vehicles.

Safer

Reduces crashes & their severity, as much as 55% compared to 2-lane roads.

Cheaper

Up to 75% less rightof-way, construction.

Flexible
Design can fit location.

Rural ITS

- 66 Electronic Message Boards
- 69 Closed Circuit TV Cameras
- 14 Road Weather Information Sensors







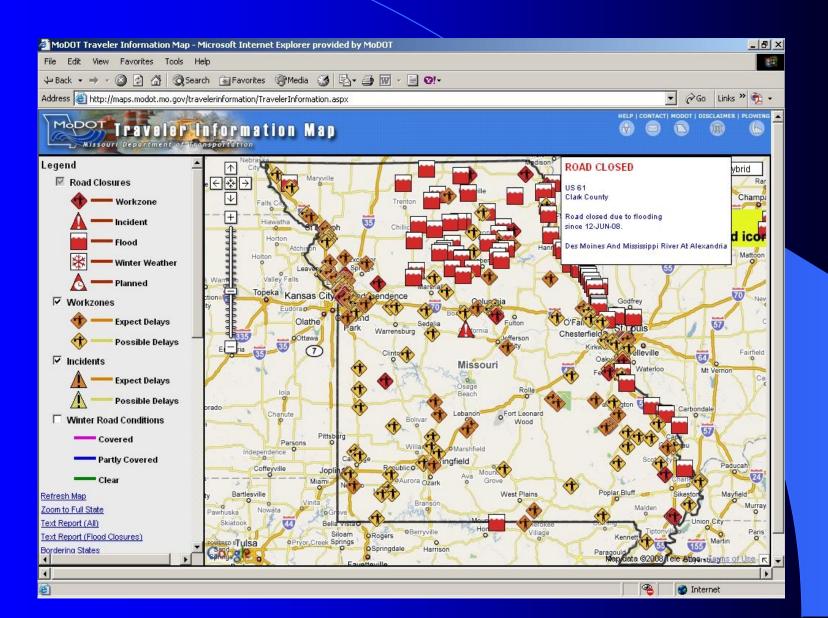
Rural Emergency Response

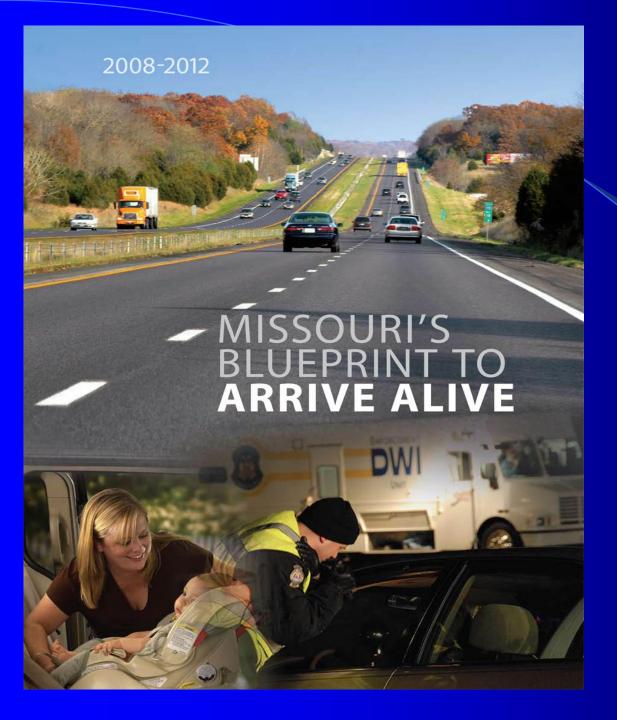
Primary Responsibility: Get the road open and traffic flowing again as soon as possible

- Designated staff and equipment for traffic control on rural corridors
 - **—24/7 Response Trucks** equipped with traffic control and other basics
 - -Trailers positioned at key locations along rural corridors



Traveler Information Map





GOAL

850 or Fewer

Fatalities

By

2012

