

# Strategic Highway Safety Plan Annual Report



ENGINEERING | EDUCATION | ENFORCEMENT | EMS | EVERYONE

Transportation Board 2/11/13

# SHSP Annual Report

## Points of Discussion:

- Contributing Factors to Crashes
- SHSP
  - Overview
  - Annual Report Summary
- Clark County
  - Statistics
  - Projects
- Trends to Consider

What can we do – Have we been effective?

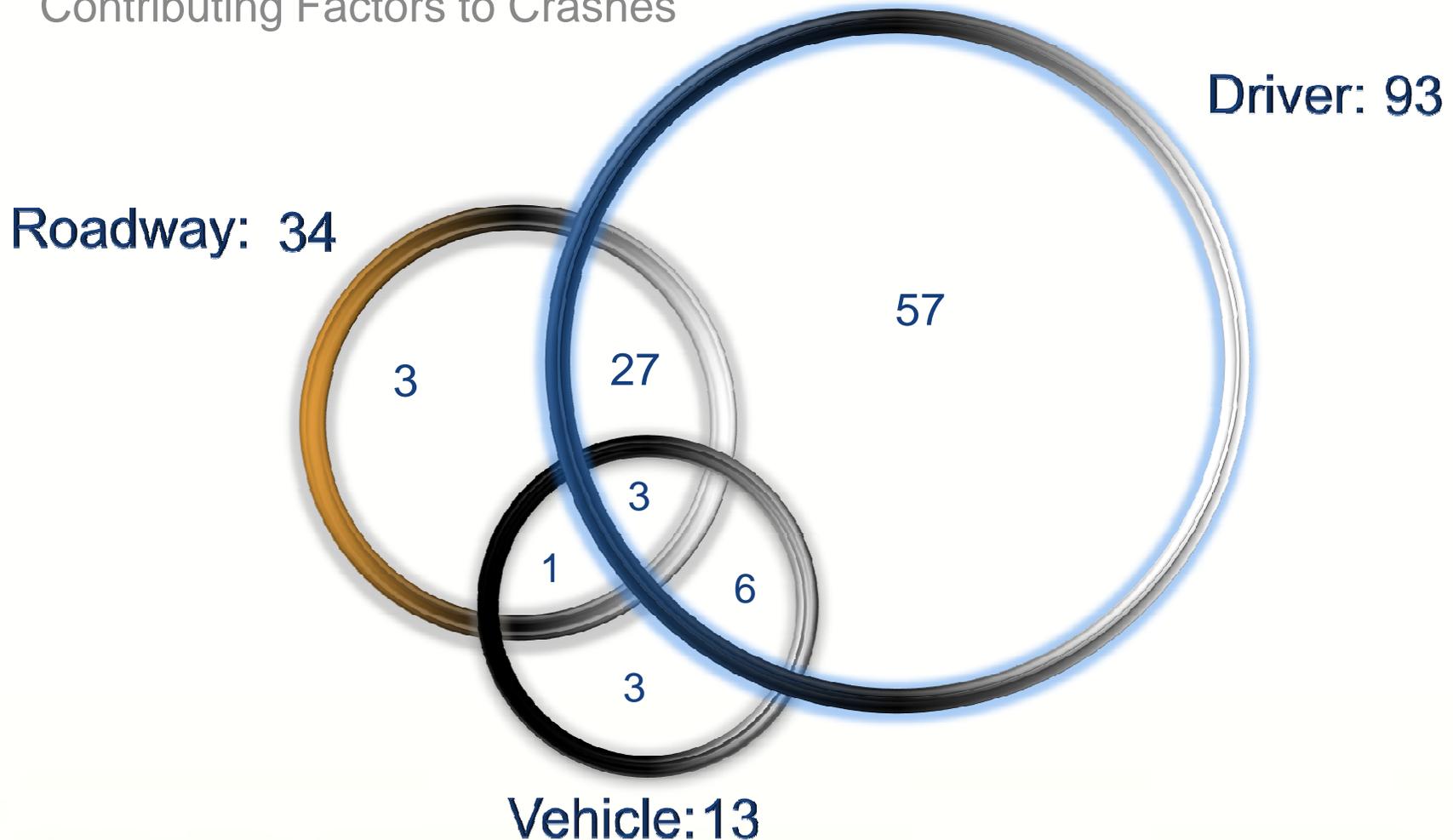
*“Changing driver behaviors is not rocket science  
...it’s harder.”*

Peter Kissinger, President and CEO of the AAA Foundation for Traffic Safety, 2012

# Venn Diagram

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Contributing Factors to Crashes

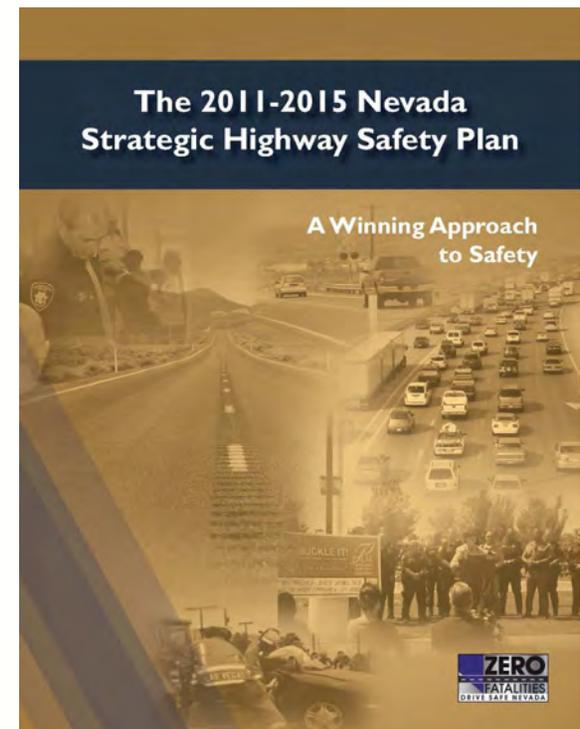


# SHSP Annual Report

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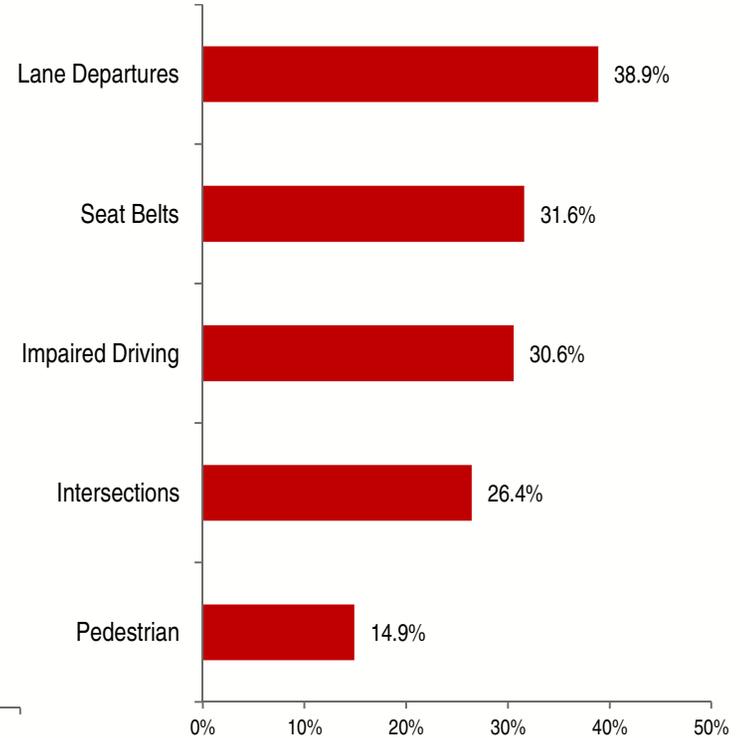
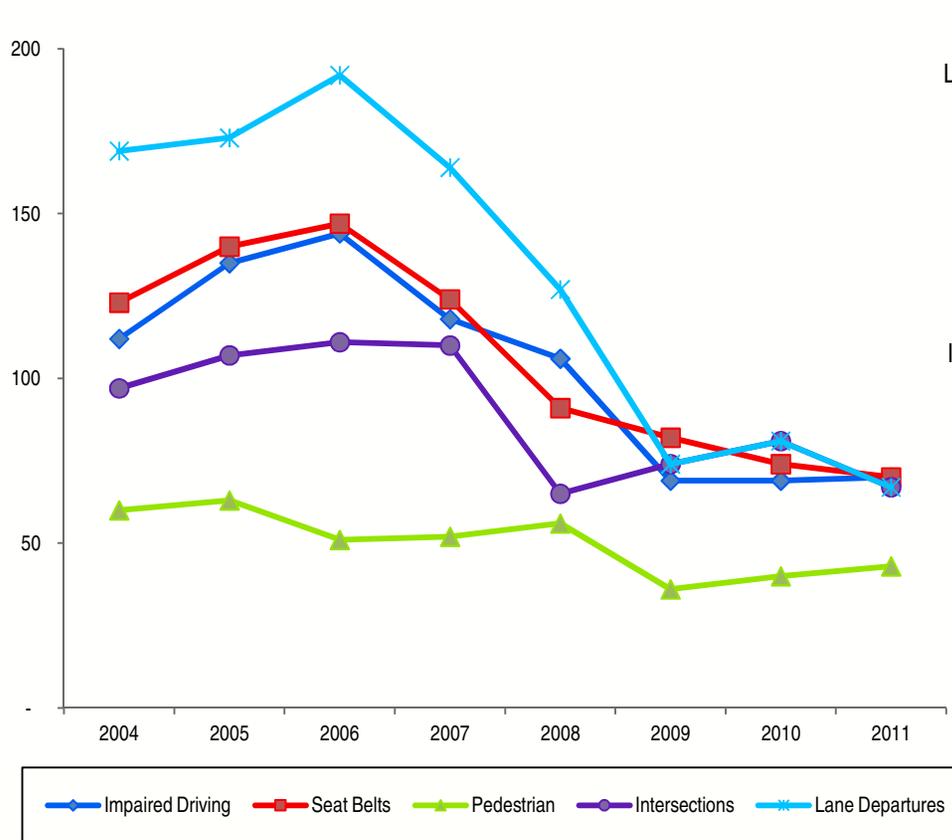
## Background

- SHSP Updated in 2010 and approved by the Transportation Board 4/11
- A framework to reduce fatalities and serious injuries on all our public roads. Engages the four E's of Safety at all levels: state, local, and federal agencies. Public, private sector firms, and concerned citizens
- Five Critical Emphasis Areas
  - Lane Departure
  - Seat Belts
  - Impaired Driving
  - Intersections
  - Pedestrians



# SHSP Annual Report

## Performance Measures – Relative Weight



Percentage of Fatalities by the Five Critical Emphasis Areas (2004-2011)

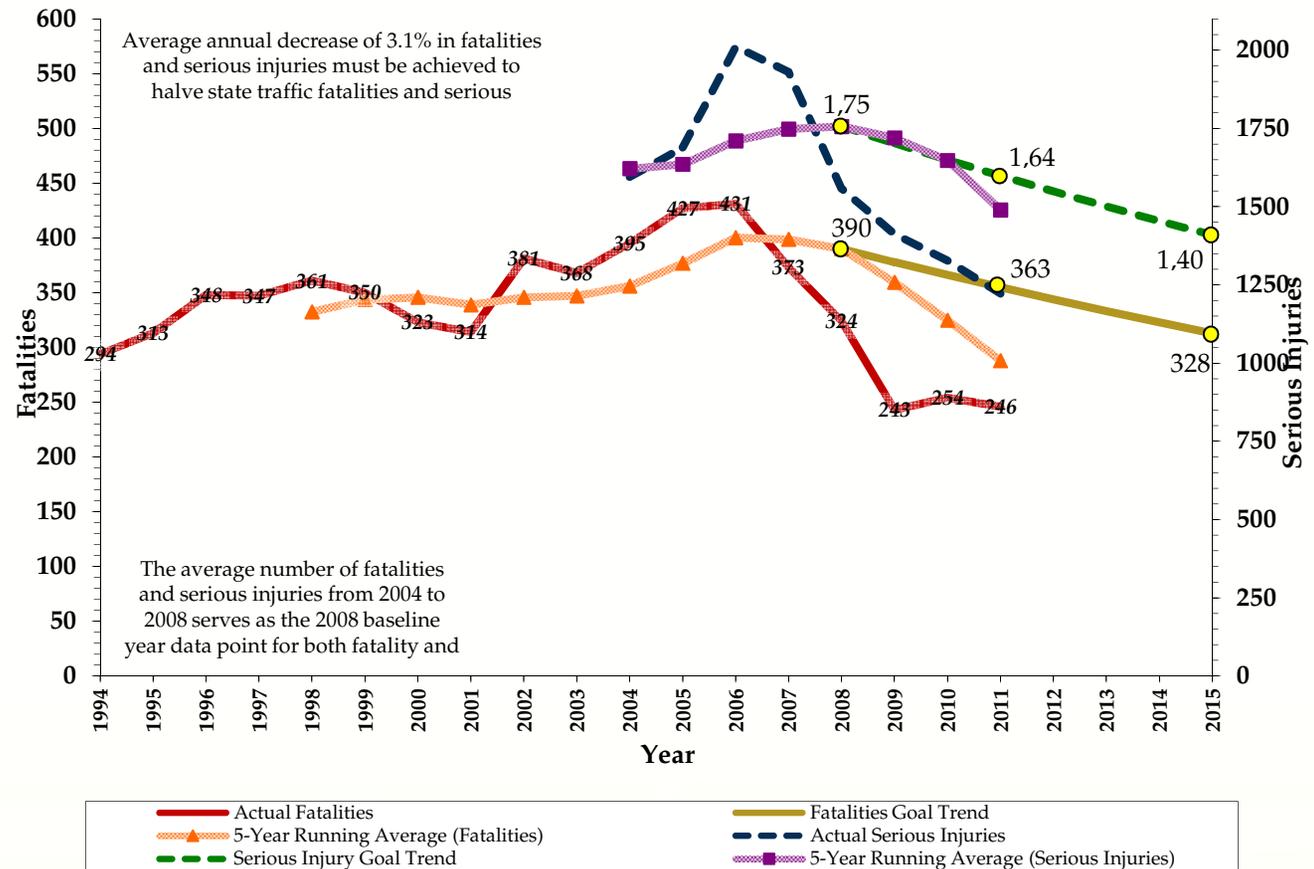
Annual of Fatalities across the Five Critical Emphasis Areas

# SHSP Annual Report

## Performance Measures

Nevada Fatality and Serious Injury Historical Trends, Milestones, and Goals to 2030

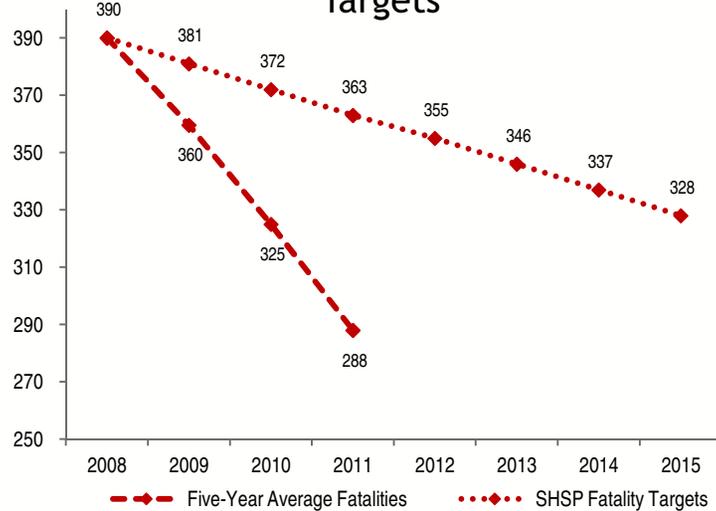
- Why use a 5-Year Rolling Average instead of annual numbers?
- Why include Serious Injuries?



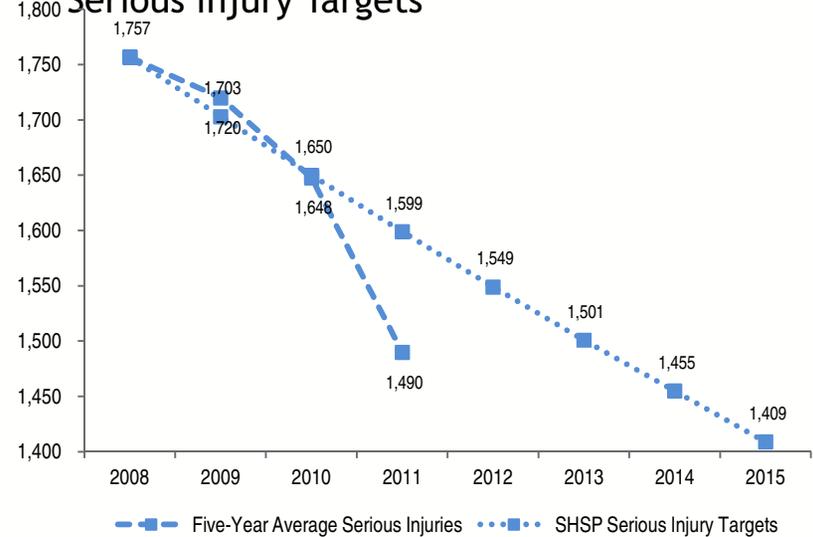
# SHSP Annual Report

## Performance Measures – Five Year Rolling Average Targets

Statewide Average Fatalities and SHSP Fatality Targets



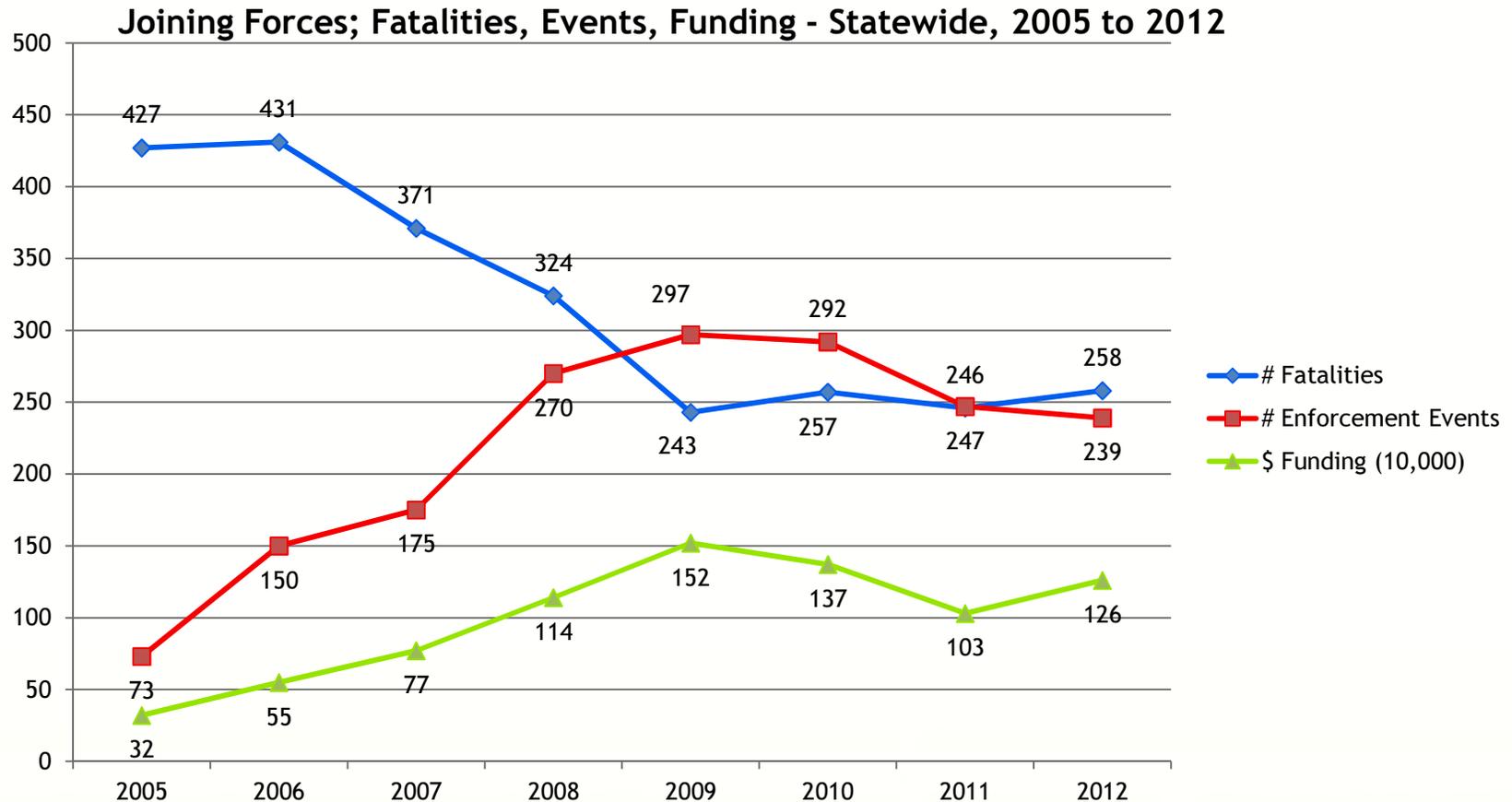
Statewide Average Serious Injuries and SHSP Serious Injury Targets



5-Year Rolling Average vs Target		
	Fatalities	Serious Injuries
CEA		
Impaired Driving	Lower	Higher
Seat Belts	Lower	Higher
Pedestrian	Lower	Lower
Intersections	Lower	Lower
Lane Departures	Lower	Higher

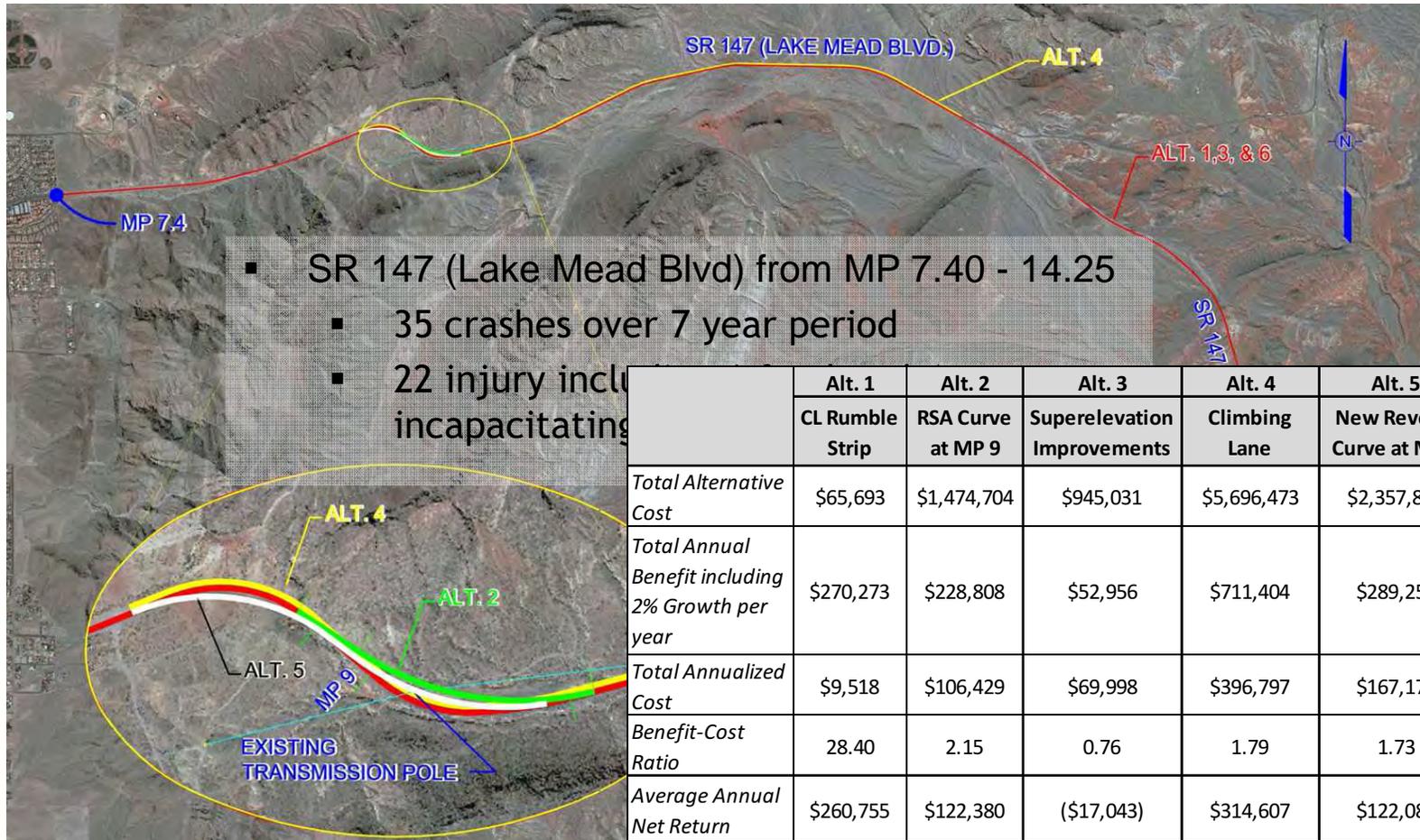
# SHSP Annual Report

Strategy – Behavioral, Law Enforcement Efforts: Joining Forces Program



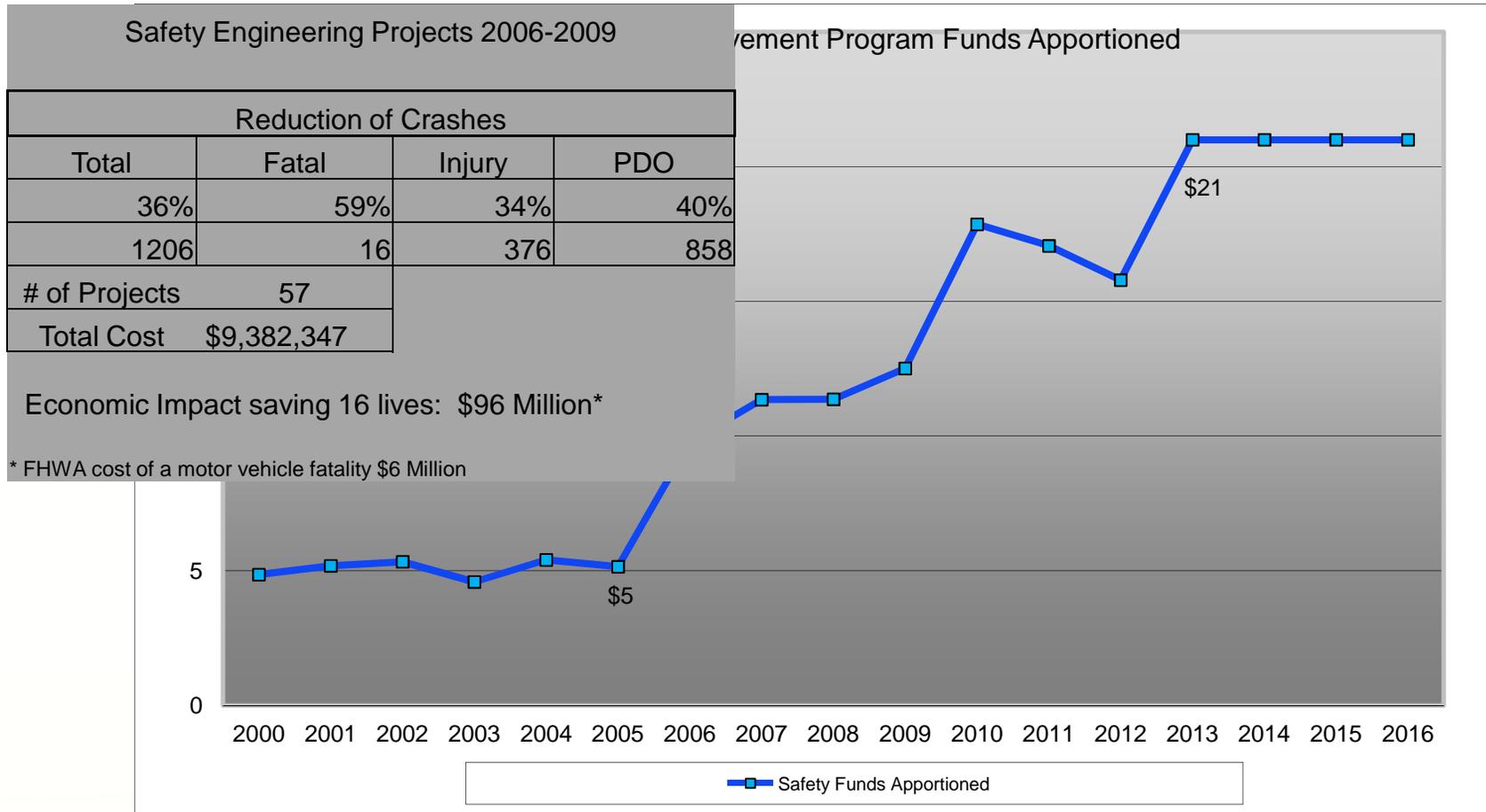
# SHSP Annual Report

## Strategy – Engineering: Implementing the Highway Safety Manual



# SHSP Annual Report

## Performance Measures



# Clark County

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## Clark County Pedestrian Deaths Reach Alarming Numbers- KLAS TV

*Posted: Sep 18, 2012 3:29 PM PDT*

**LAS VEGAS** -- Not since 2008 has driving or walking in the Las Vegas valley been so deadly. Roadway and pedestrian fatalities in Clark County have skyrocketed 54 percent this year over all of last year. **Most alarming, pedestrian deaths are up 84 percent.**

On Tuesday morning, Metro Police beefed up enforcement at Main Street and Foremaster Lane. It's a high traffic area for cars and pedestrians. Police said they chose the crosswalk because they have witnessed drivers not stopping for pedestrians, mostly homeless people in the area.

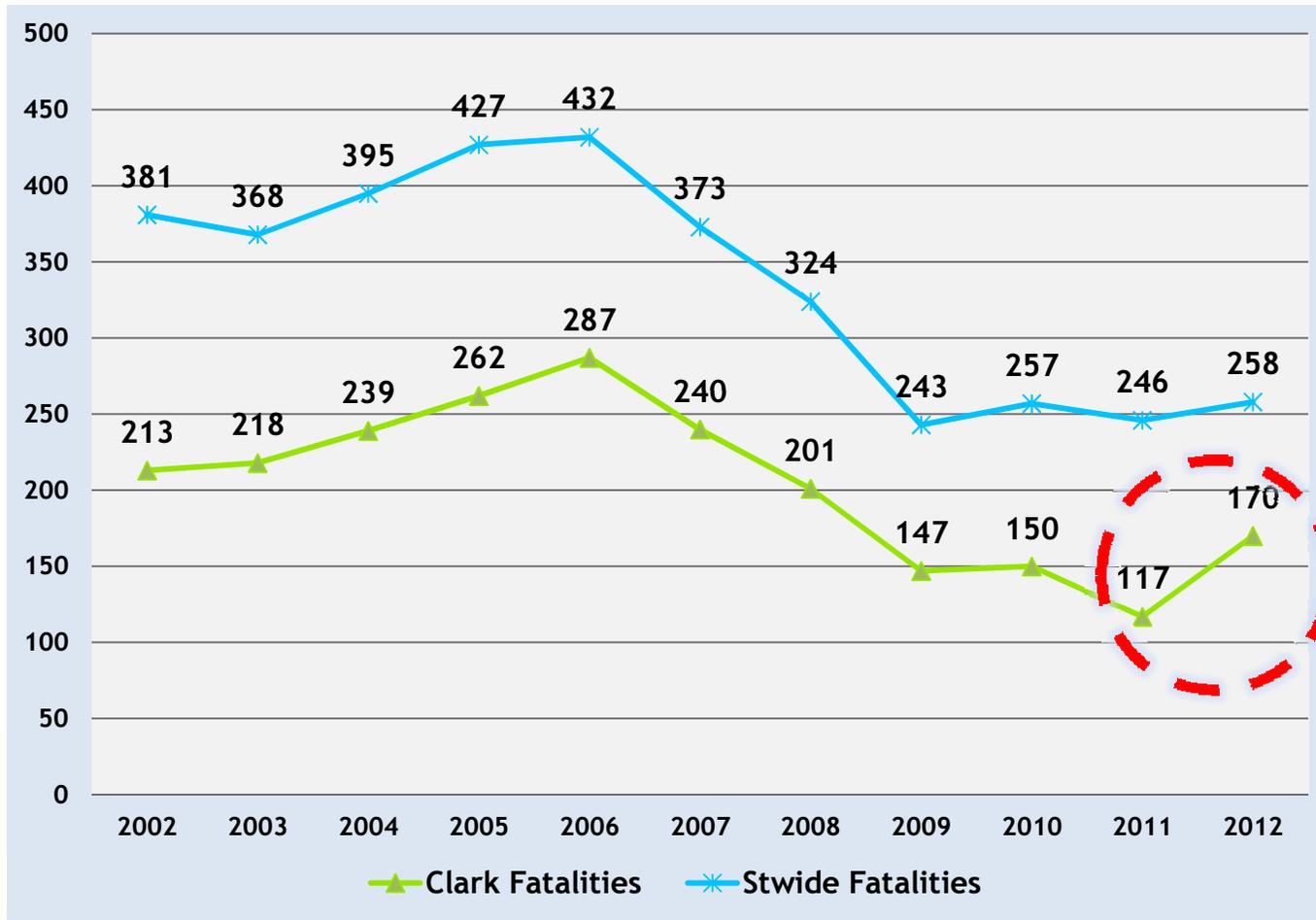
## **A deadly year for pedestrians: 48 die in Chicago in 2012**

BY TINA SFONDELES Staff Reporter [tsfondeles@suntimes.com](mailto:tsfondeles@suntimes.com) January 21, 2013 3:56PM

**Chicago's numbers follow a national trend that shows an increase of traffic fatalities of all types.** In data from January through September — the latest available — **the National Highway Traffic Safety Administration said traffic fatalities increased by 7.1 percent over the same nine months in 2011.** That represents the largest such increase since 1975 — the first year when NHTSA started collecting data on traffic fatalities, the study found.

# Clark County

## Crash Trends- Fatality Trend Clark County vs Statewide

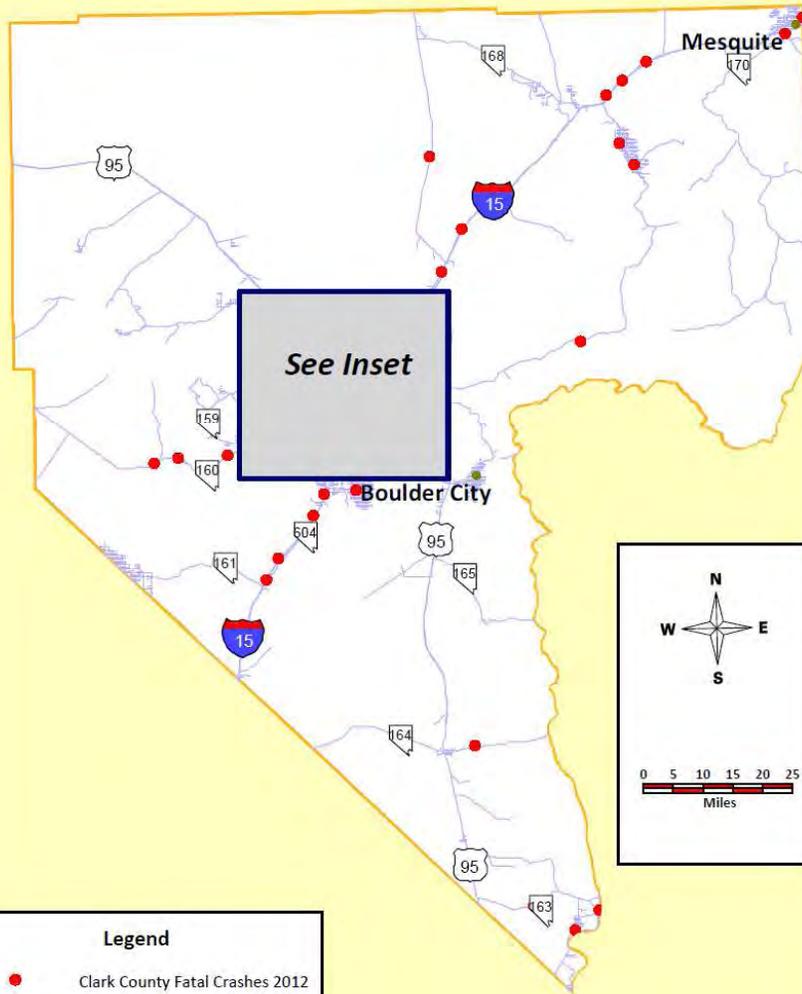


Between 2011 and 2012 Traffic Fatalities:

- Increased by 12 statewide (5% increase)
- Increased by 53 in Clark County (45% increase)

# Clark County

Clark County Fatal Crashes 2012



2012  
Fatal  
Crash  
Map

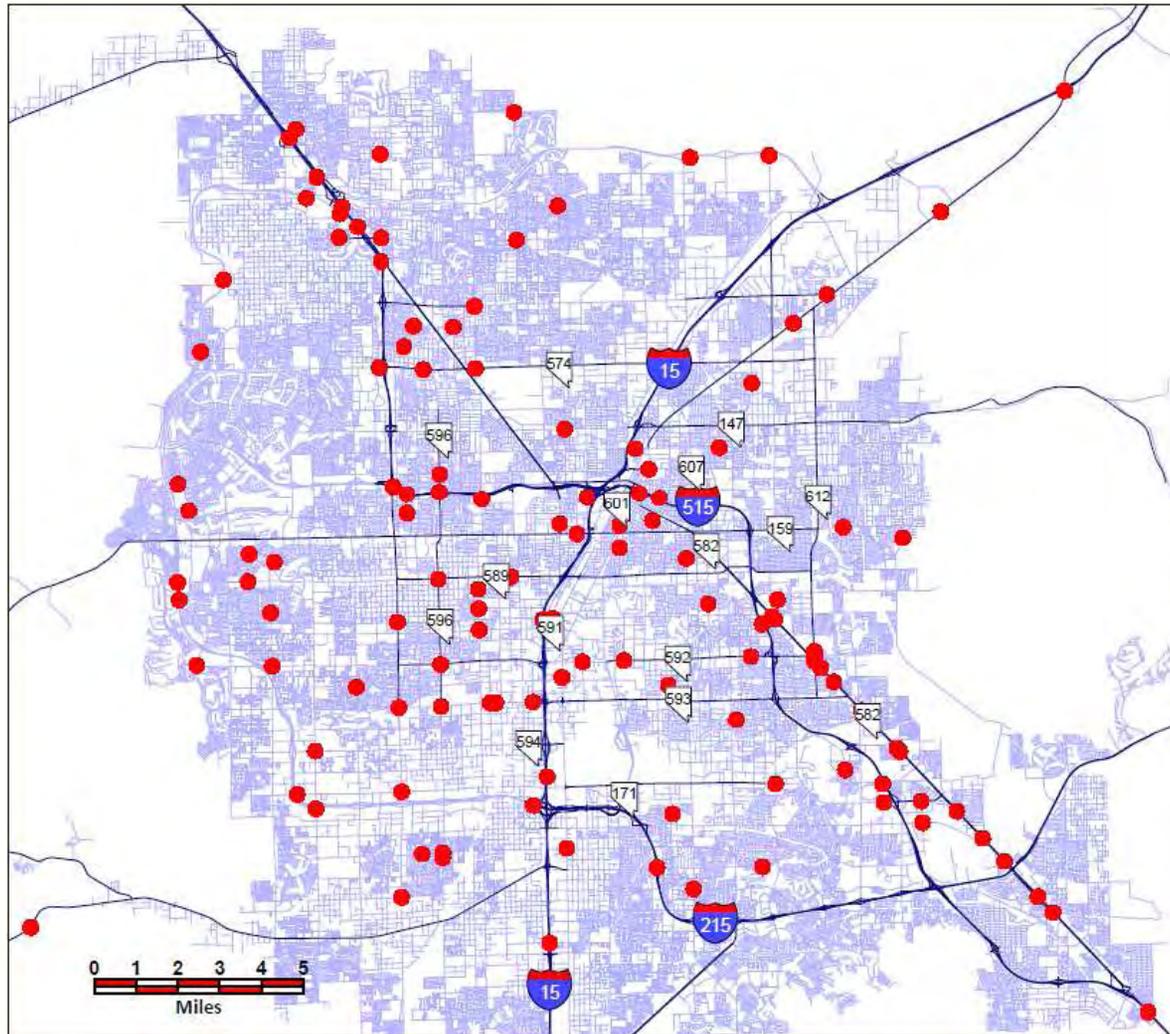
152 Fatal Crashes

•51 Angle Crashes

•72 Non-Collision

# Clark County

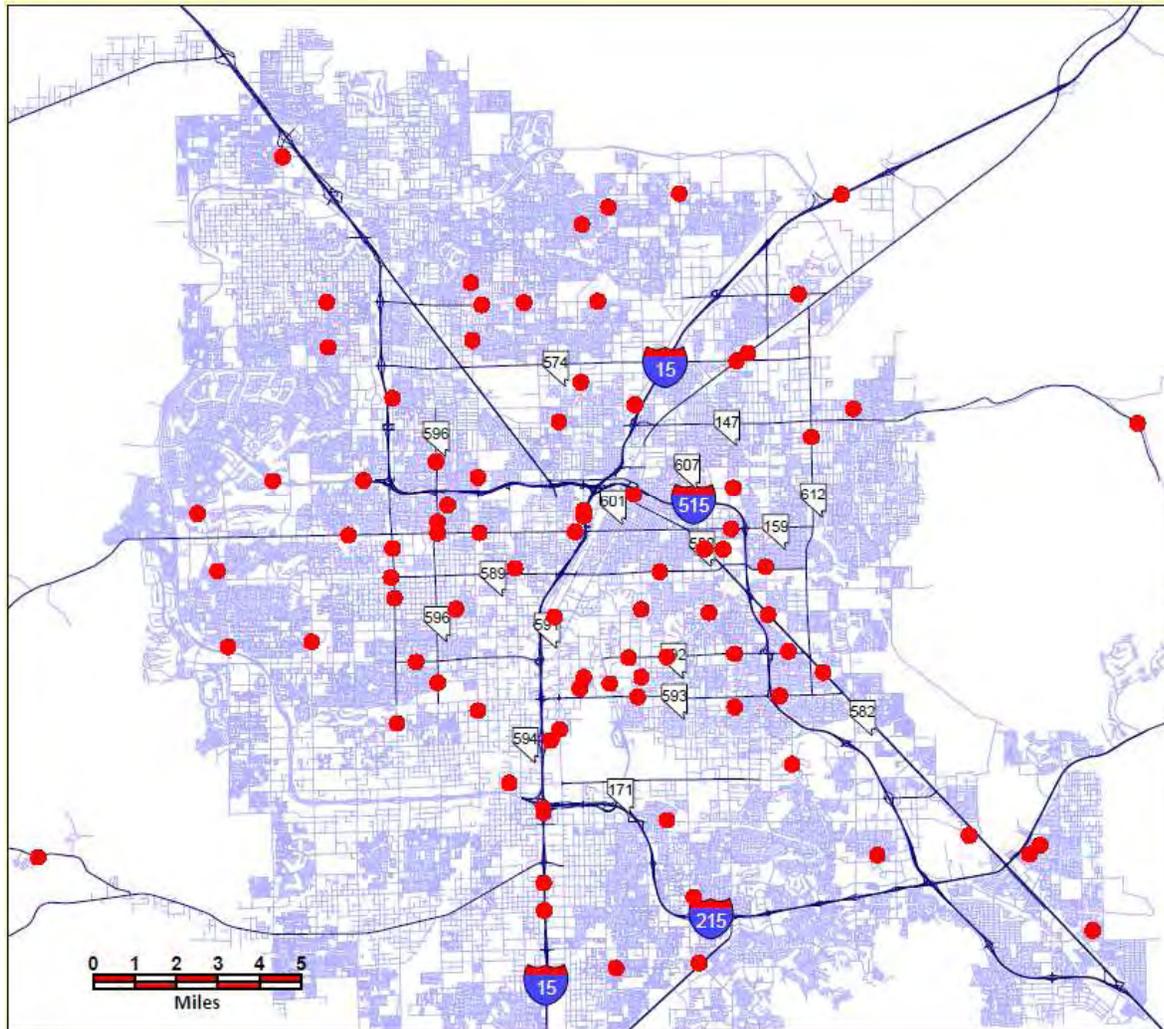
2012  
Fatal  
Crash  
Map



- 2008-2012 Clark County intersections experienced 535 Fatal Crashes
- Four experienced three fatal crashes
- Twenty-six experienced two fatal crashes

# Clark County

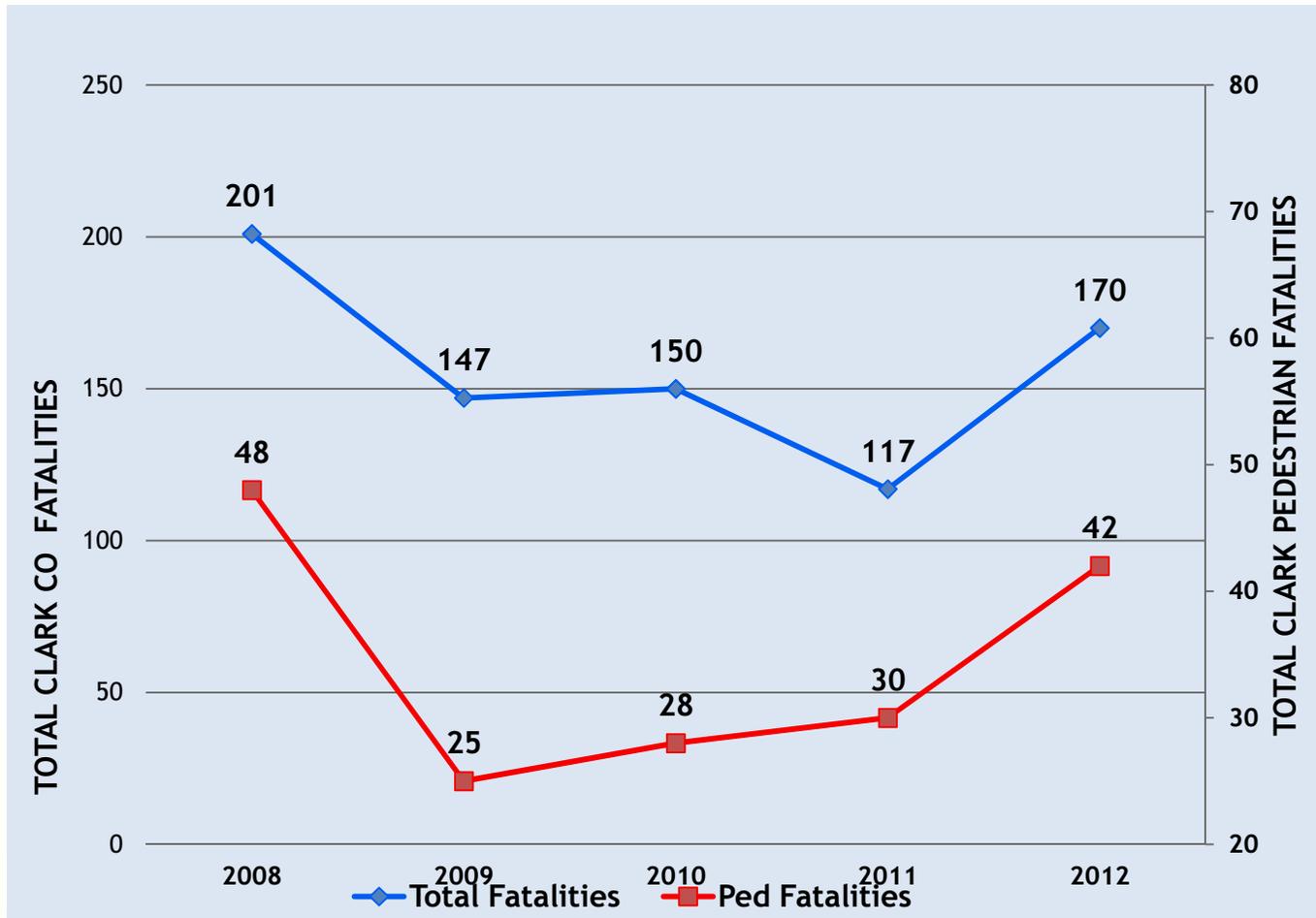
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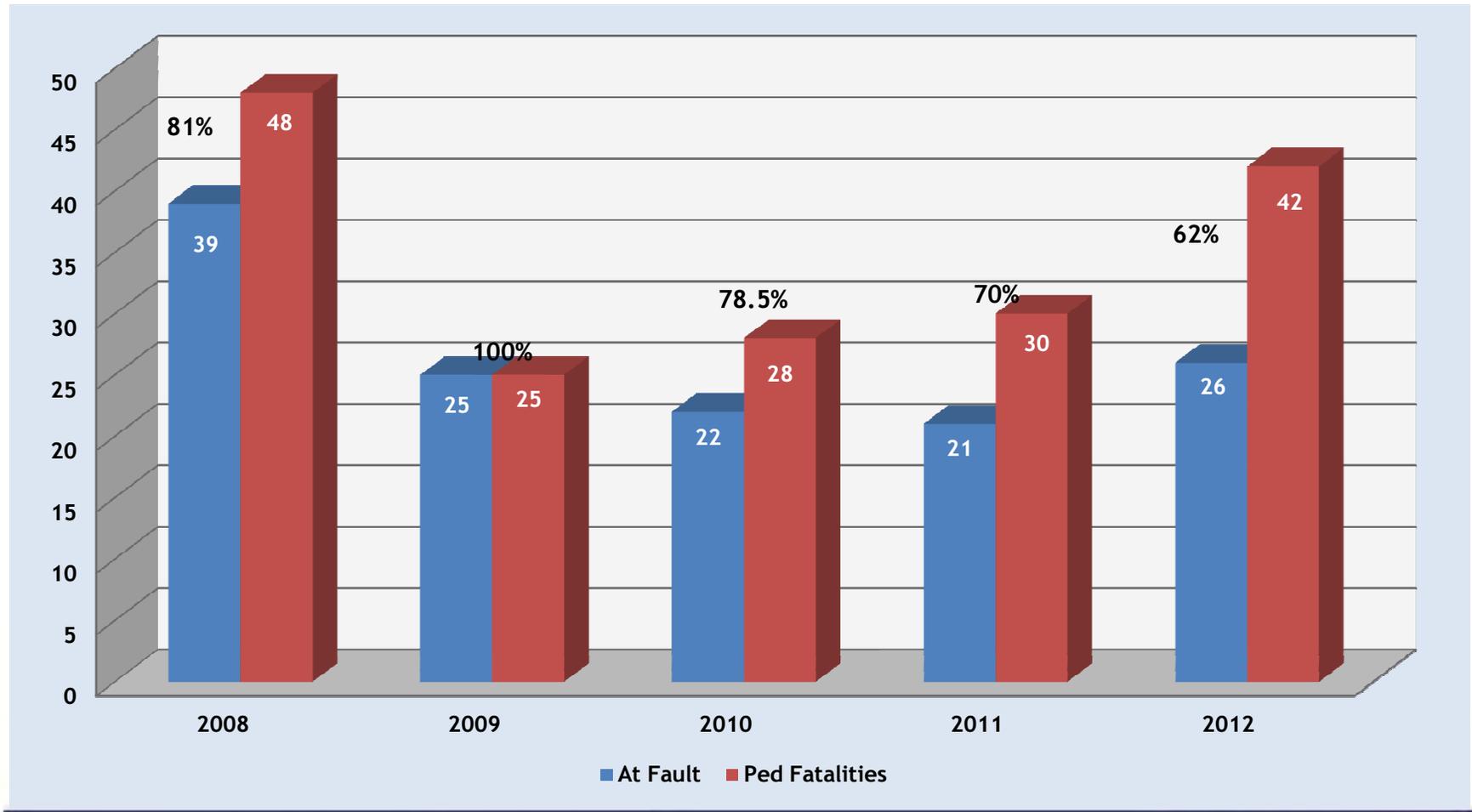
## Crash Trends- PEDESTRIAN FATALITIES CLARK COUNTY 2008-2012



- Between 2011 and 2012
- 40% increase in Pedestrian Fatalities
- 60% increase in motor vehicle occupants

# Clark County

## Crash Trends PEDESTRIAN FATALITIES and PEDESTRIANS AT FAULT



# Clark County

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## Projects

- NDOT Projects 2012-2013 Clark County
  - Ten infrastructure projects- \$9.2 Million
  - Ten statewide projects with significant benefit to Clark County - \$5.4 Million
- Since 2001, Recommendations from 12 Road Safety Audits have been implemented
- City of Las Vegas Left Turn Crash Reduction Program\*
  - Focused on 50 intersections that had the highest number of left turn crashes based on city-wide crash data provided by NDOT Safety Engineering Division
  - CLV Traffic Engineering Division implemented a variety of countermeasures aimed at reducing left turn crashes at 49/50 intersections
  - Targeted goal was to reduce the number of crashes by 50%
  - The total number of left turn crashes at the 50 intersections dropped 61% from 1794 crashes 3 years prior to the program to 700 crashes 3 years later

\* Mike Janssen, P.E., PTOE  
Assistant City Traffic Engineer  
City of Las Vegas

- Office of Traffic Safety Pedestrian Initiatives
  - Pedestrian Safety Task Force
    - Law Enforcement    □ Large employers
    - Legislators        □ Schools (all levels)
    - Local Media        □ Trauma Centers
    - Educators          □ Engineers/RTC
  - Extensive Media and community-wide safety events throughout CY 2012
  - Dozens of school presentations
  - SAVE Your Own Life Program
  - Enforcement at High Crash Locations
  - Proposed Legislation
  - KTNV's 'Be Smart, Be Safe, Be Seen' campaign
  - Bus shelter messages (for motorists); plus messages inside the bus (for pedestrians)

# Trends to Consider

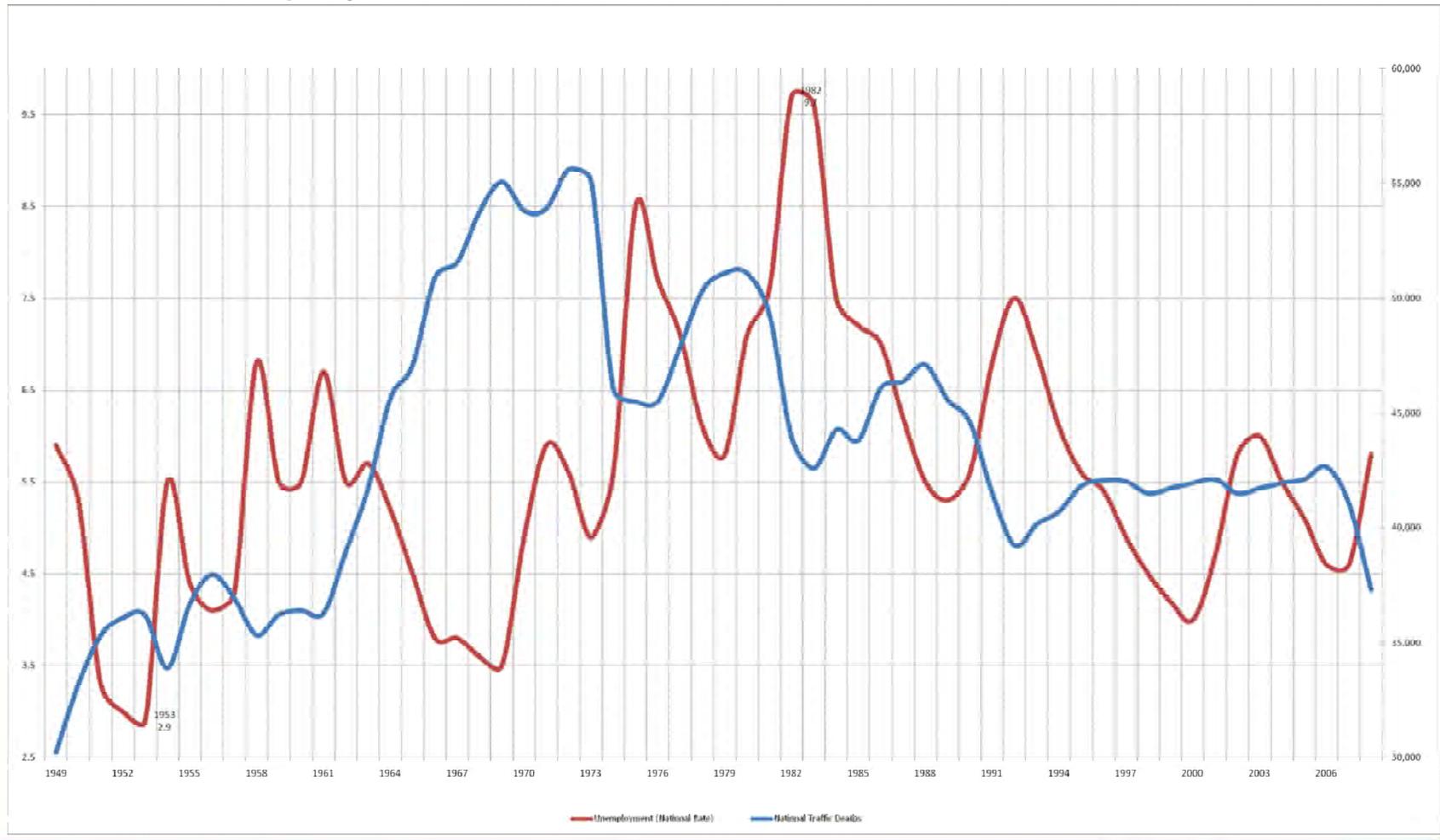
NHTSA Region 8 States November 2012

## FATALITIES

STATE	2012		2011		YTD	
	MONTH	YTD	MONTH	YTD	CHANGE	%
CO	35	427	33	411	16	3.9%
NV	19	235	20	227	8	3.5%
ND	16	153	22	132	21	15.9%
SD	8	118	12	106	12	11.3%
UT	20	192	17	220	-28	-12.7%
WY	7	111	14	127	-16	-12.6%
<b>REGION</b>	<b>105</b>	<b>1236</b>	<b>118</b>	<b>1223</b>	<b>13</b>	<b>1.1%</b>

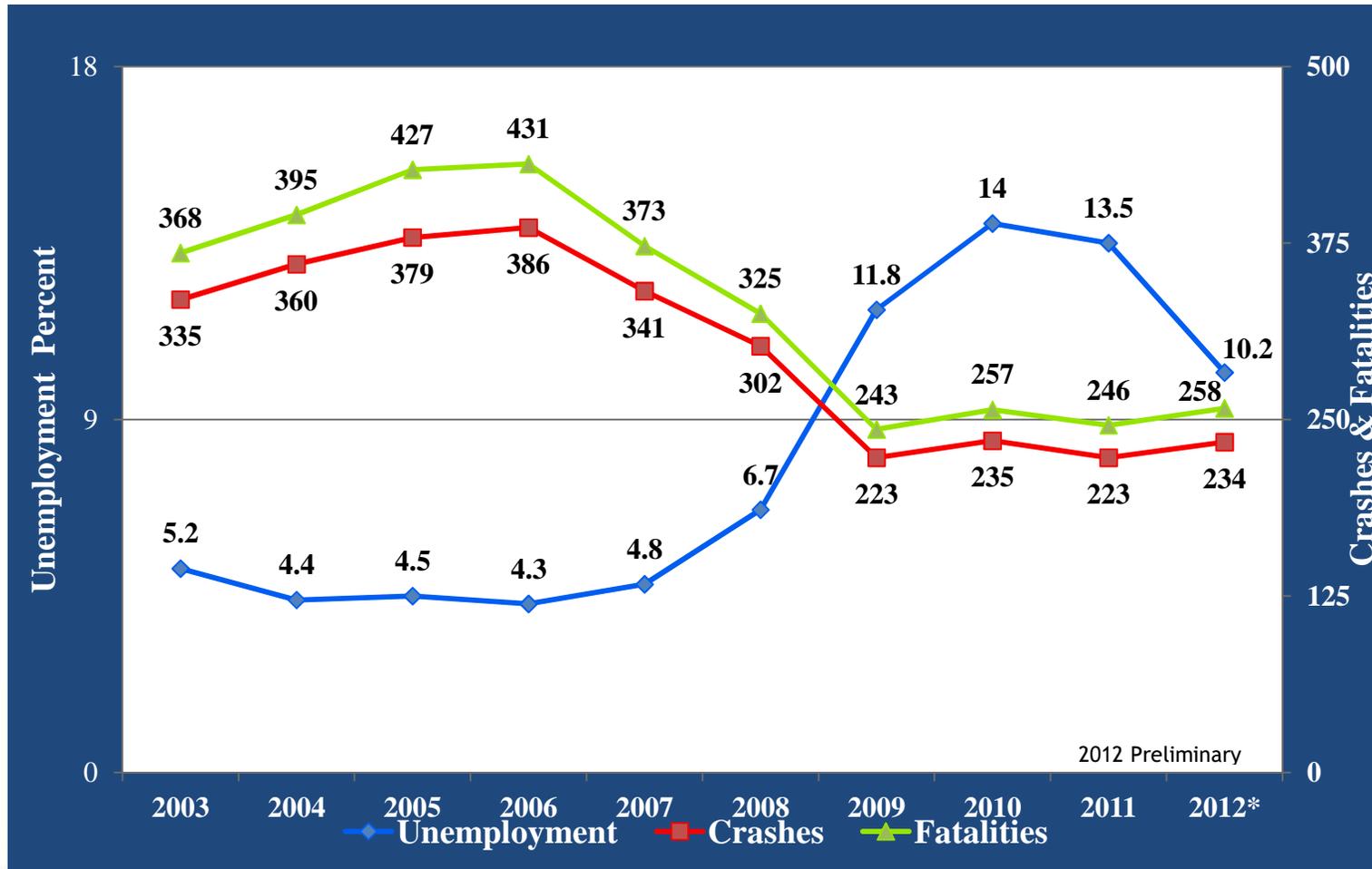
# Trends to Consider

## National Unemployment vs Fatal Crashes



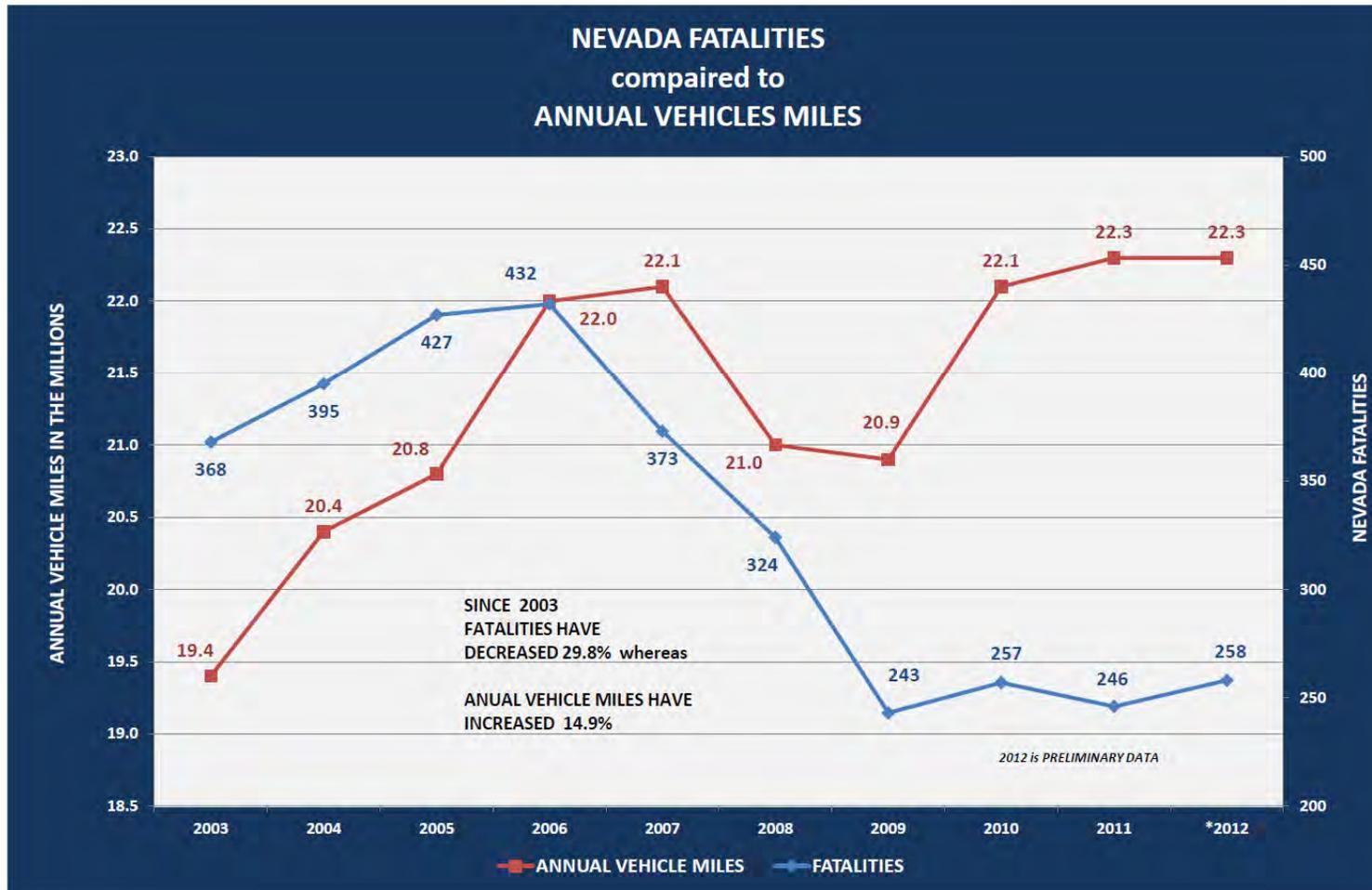
# Trends to Consider

## Nevada Unemployment vs Fatal Crashes



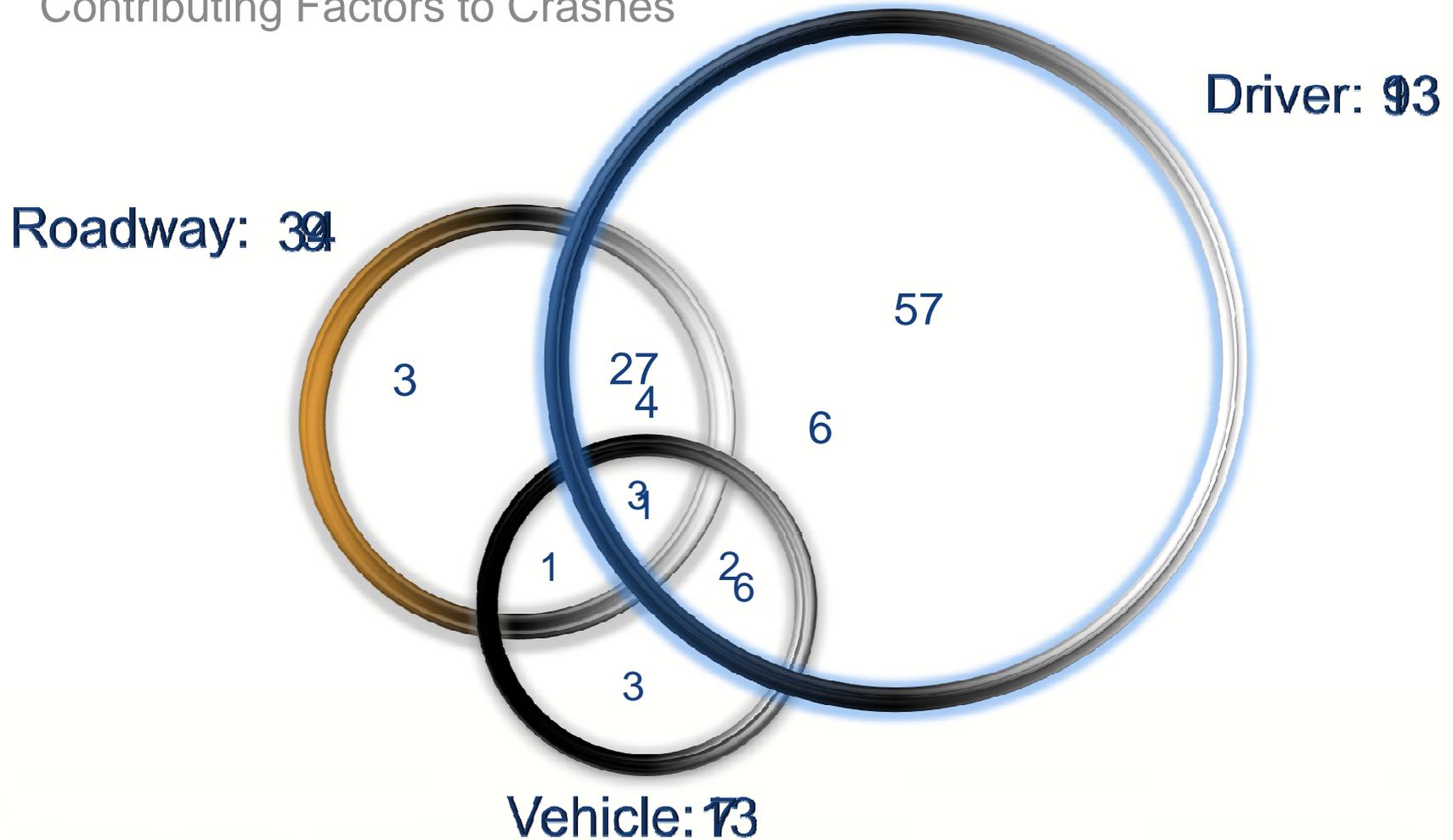
# Trends to Consider

## Nevada



# Venn Diagram

Contributing Factors to Crashes



# Venn Diagram

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Contributing Factors to Crashes

Driver: 103

Roadway: 9



**zero**®  
**Fatalities**

*Drive Safe Nevada*

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# Together We Can

Nevada | *Safety Summit*



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