



# **Dan Flowers Distinguished Lecture**

**White Engineering Hall – Room 209**

**Friday, April 24, 2015**



THE GOOD



THE BAD

THE UGLY

# THE GOOD





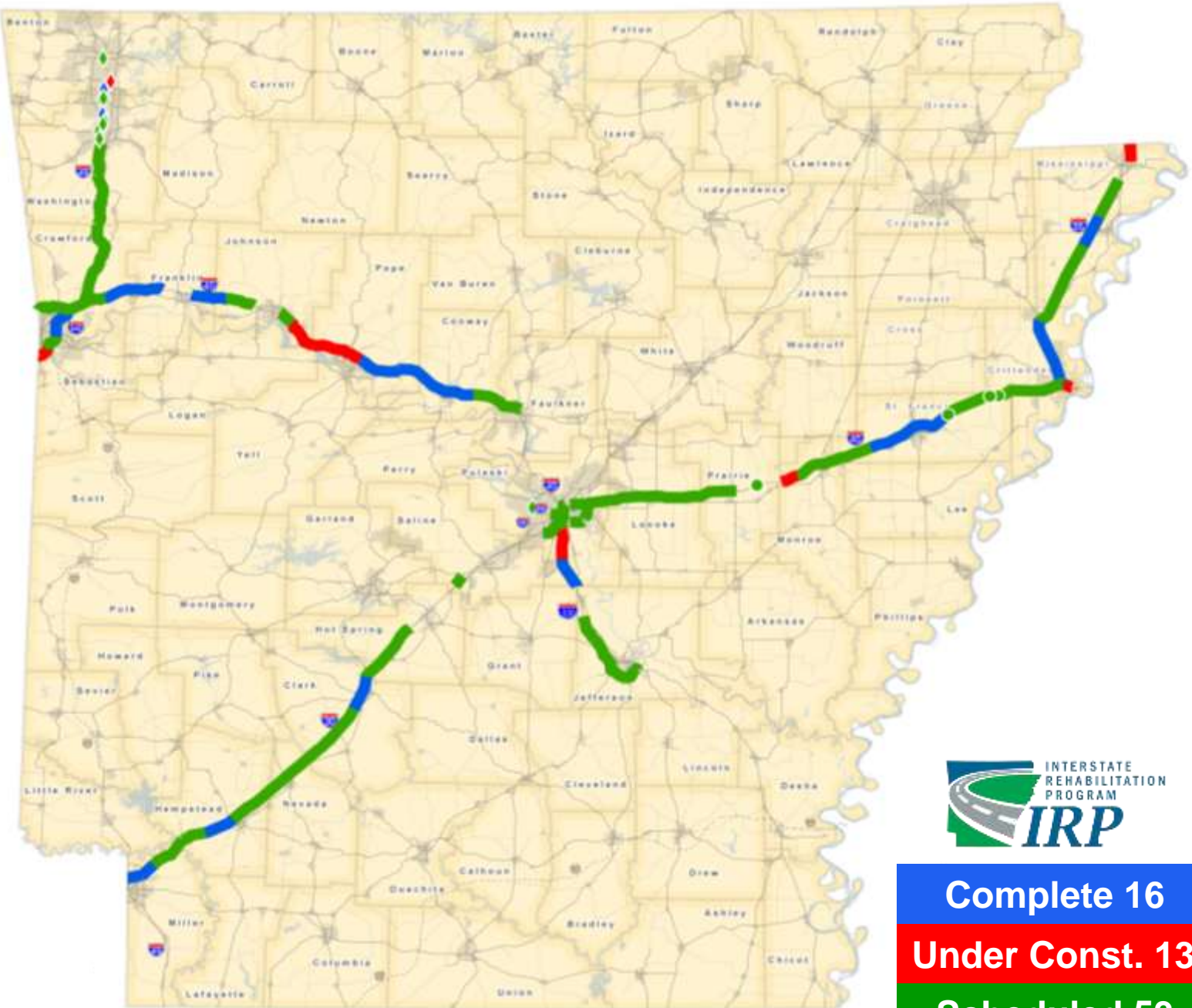
**2011**



**2012**

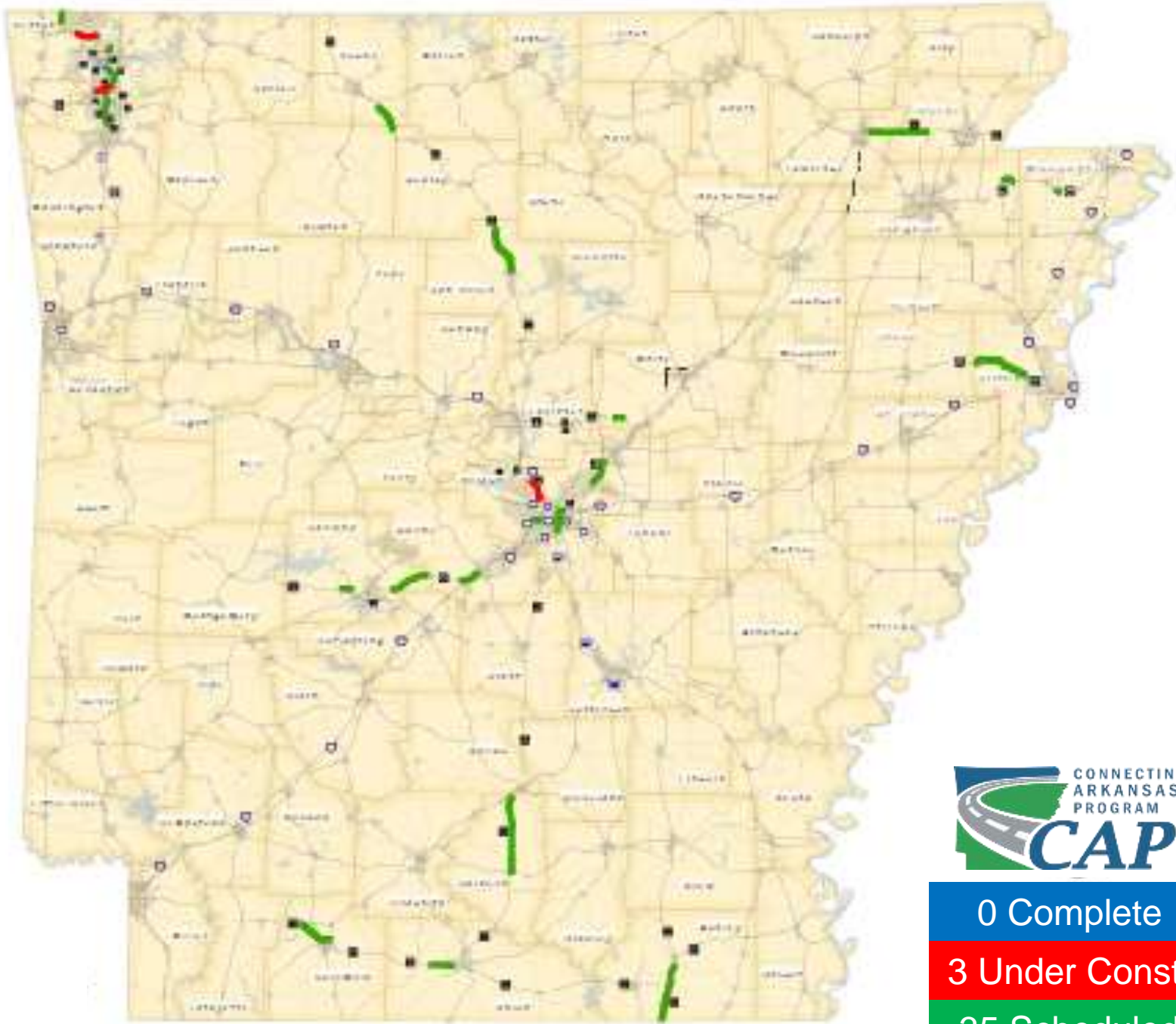


# Interstate Rehabilitation Program



**Complete 16**  
**Under Const. 13**  
**Scheduled 53**

# Connecting Arkansas Program



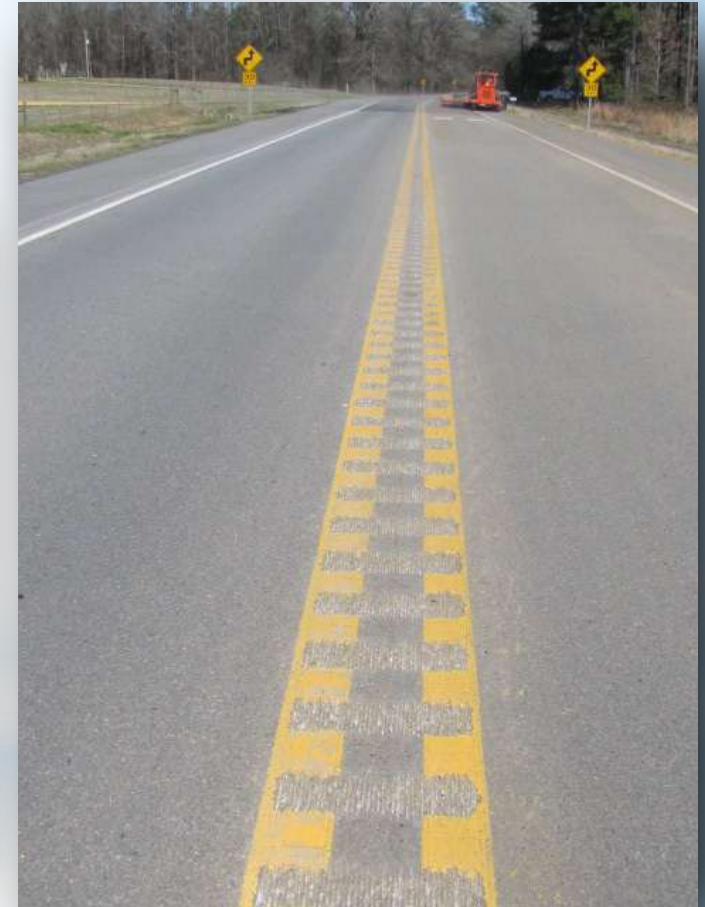
0 Complete  
3 Under Const.  
35 Scheduled



# Safety Improvements



Cable Median Barrier



Rumble Strips/Stripes



# Other Improvements



Belly Plows Added to Fleet



## Snow & Ice Removal Guide



Snow & Ice Removal Guide





# 2015 Legislative Session

## AHTD Legislative Package Update

### Design-Build/Design-Build-Finance and Public-Private Partnerships

✓ PASSED: Act 704 of 2015

### License Plate Scanners

✓ PASSED: Act 849 of 2015



# 2015 Legislative Session

## AHTD Legislative Package Update

### Road User Revenue Distribution

✓ Withdrawn

### Vehicle Miles Traveled Tax

✓ Withdrawn

### Alternative Fuel Tax

✓ FAILED: House Floor

### Registration Fee for All-Electric Vehicles

✓ Withdrawn

- **Electronic Bidding**
- **Electronic Proposals**
- **Electronic Signatures of Contracts**





# **\$20 million** **for Colleges & Universities**





**\$13 million**  
**for University of Arkansas**





THE

BAD



# Arkansas Highway Funding Sources

Source	Percentage
Per-Gallon Fuel Tax	64%
Vehicle Registration	19%
License/Permit/Inspection Fees	6%
Severance Tax	11%



# Federal Highway Trust Fund Tax Receipts

Truck/Bus/Trailer

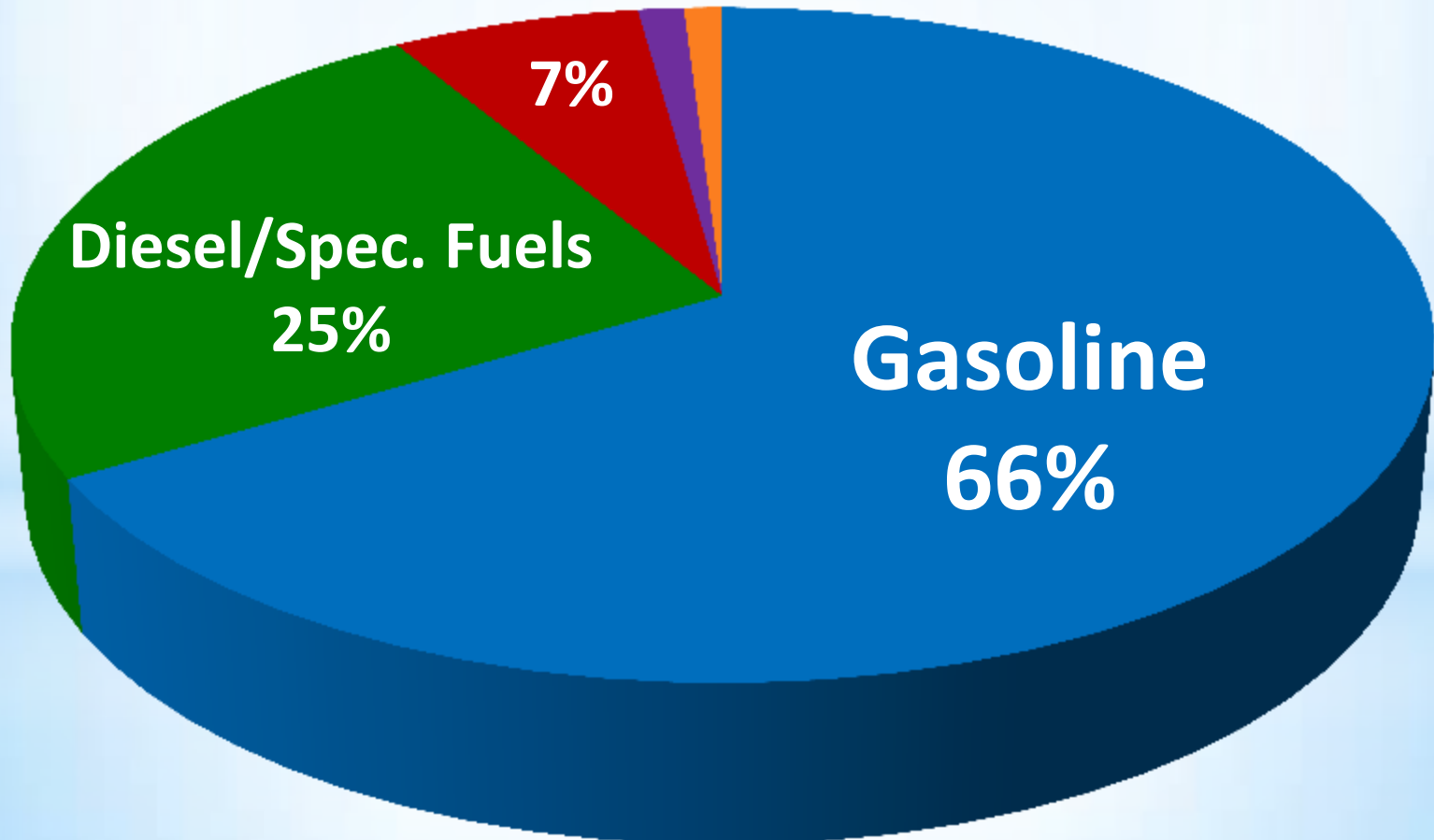
7%

Tires

1.0%

Heavy Vehicle Tax

0.1%








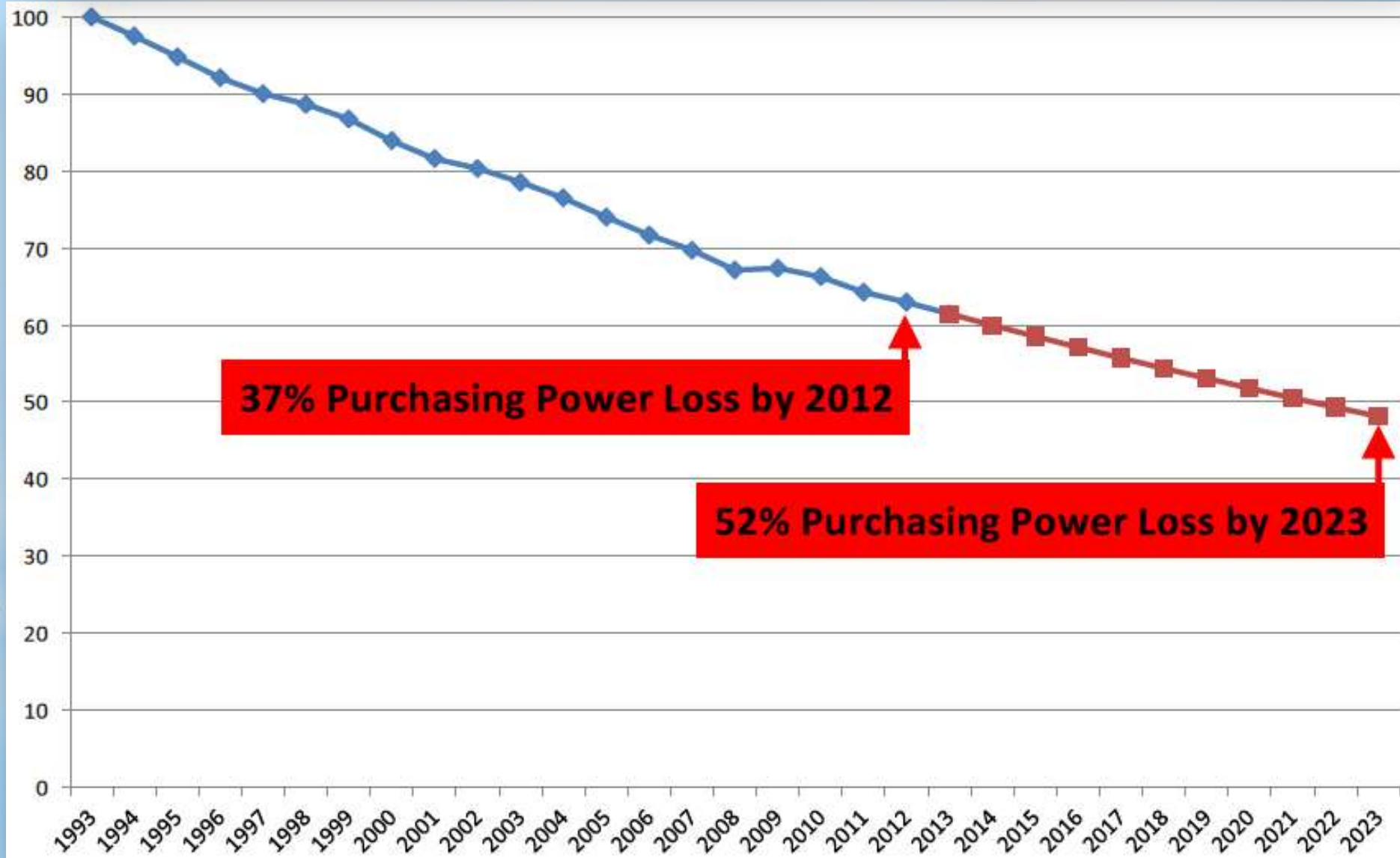


# Arkansas Travel Trends

2007-2014

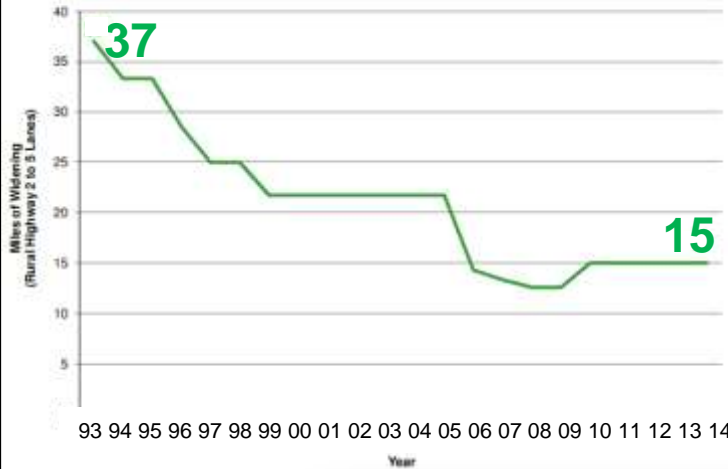
	2007	2014	Difference
Gas & diesel Consumption	2.095 billion	1.980 billion	 115 million
Gas & diesel Revenue	\$454 million	\$392 million	 \$62 million
Miles Traveled	32.4 billion	33.8 billion	 1.4 billion

# Gasoline Tax Purchasing Power

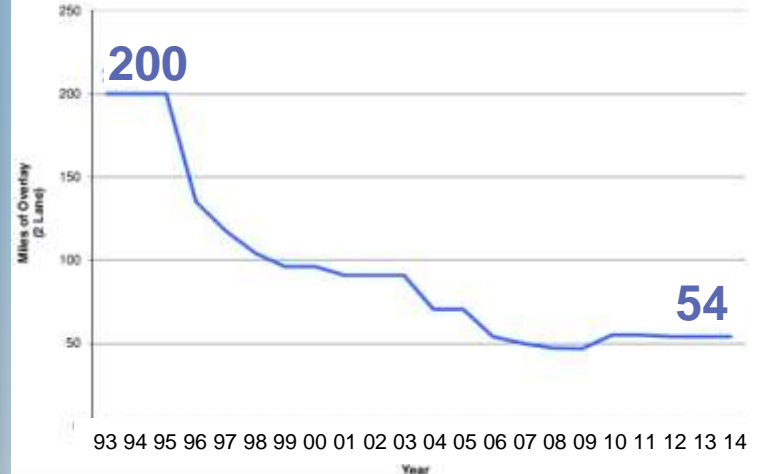


# Challenges

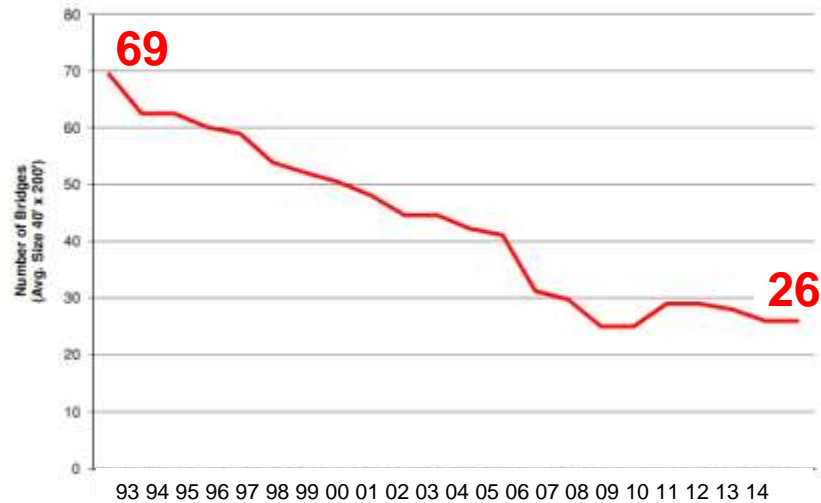
\$100,000,000 Widening Program



\$10,000,000 Overlay Program

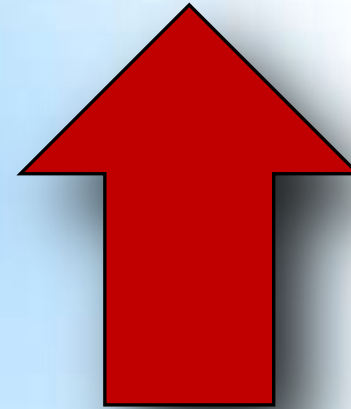


\$25,000,000 Bridge Program

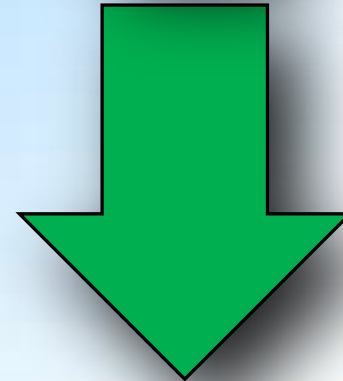




**Costs**

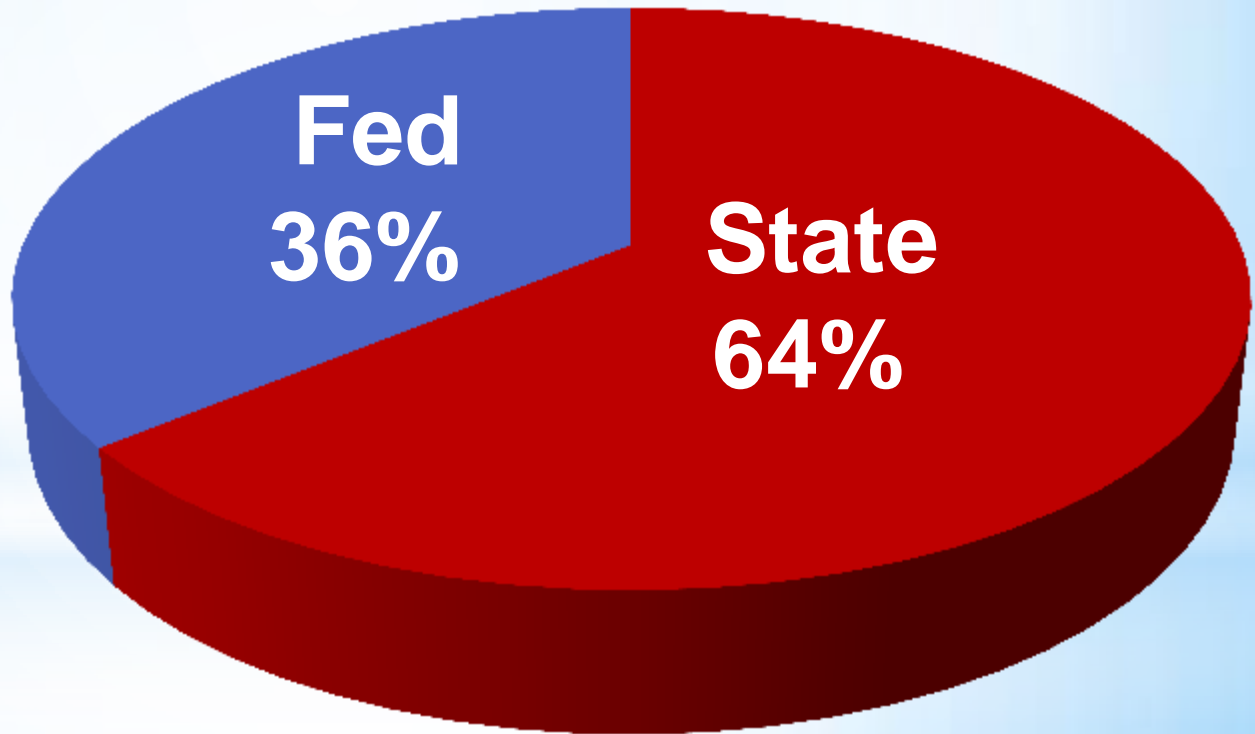


**Revenue**



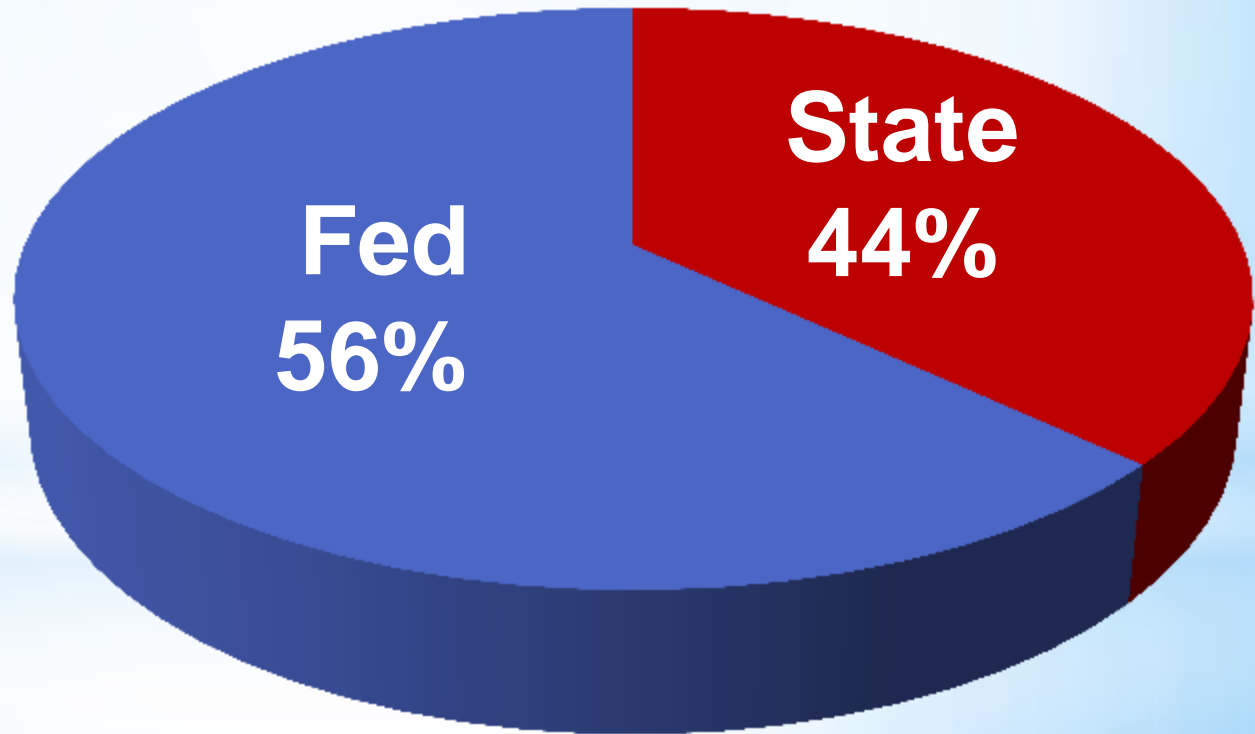
# 1993

## Hwy. Funding Breakdown

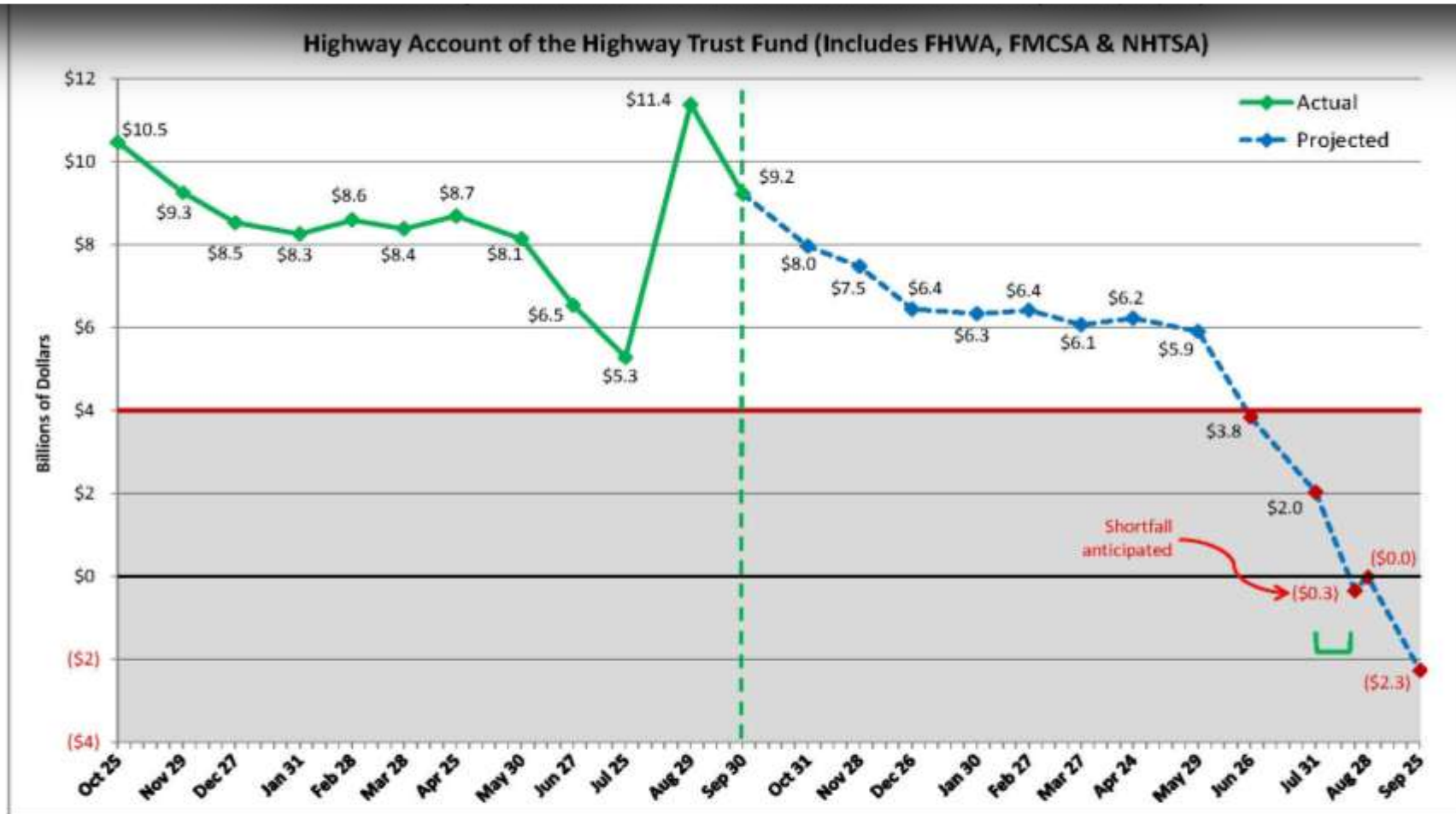


# 2015

## Hwy. Funding Breakdown



# HIGHWAY TRUST FUND



1/ Graph reflects actual data through 9/30/14 and end-of-month projections for FY 2015.

2/ Total receipt and outlay projections are based on FY 2015 Mid-Session Review assumptions. Projected monthly receipt and outlay rates are based on historic averages.

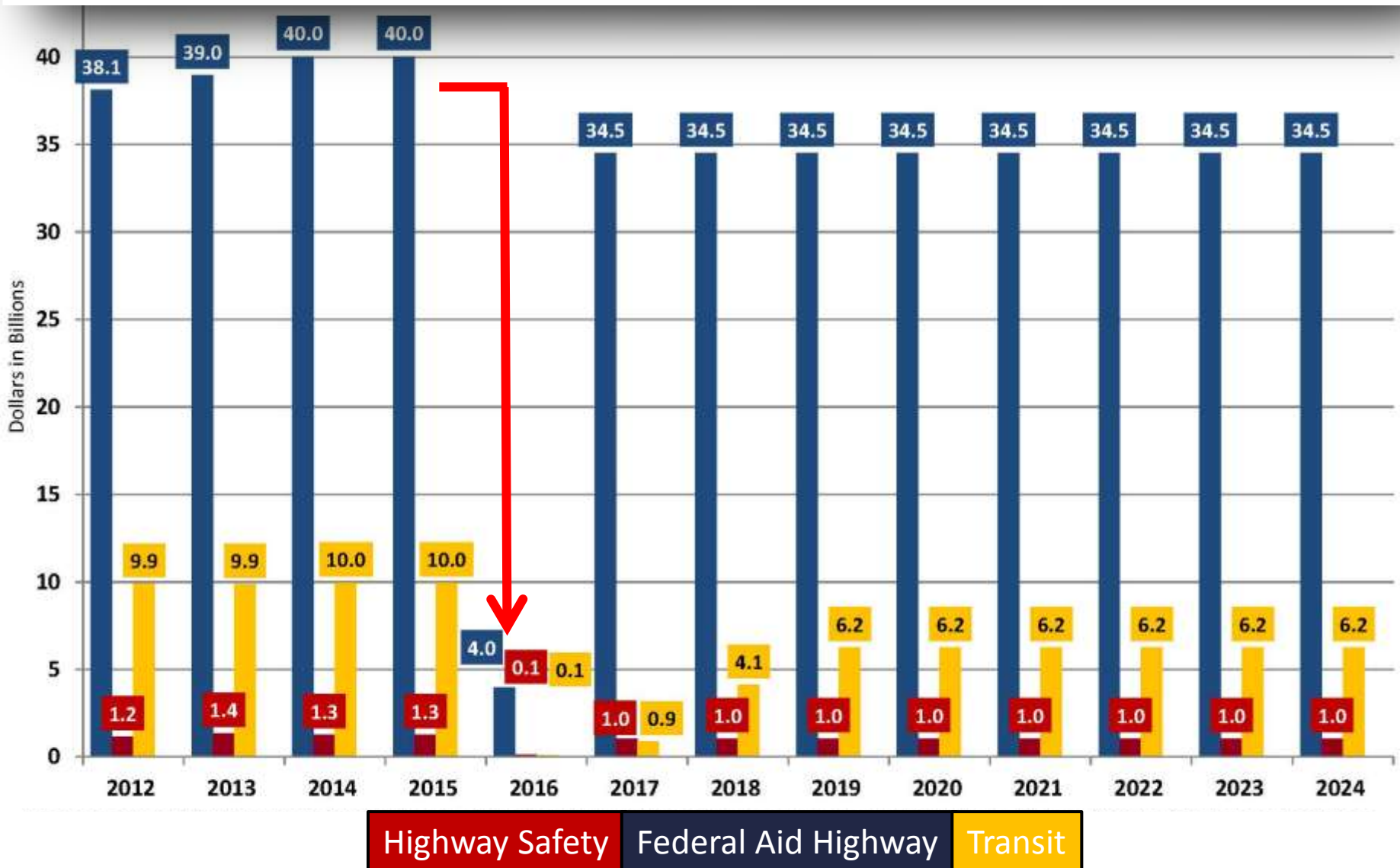
3/ Range of anticipated shortfall: Green brackets denote the estimated window of when the anticipated shortfall will occur.

4/ The shaded area represents when the Highway Account balance drops below \$4 billion, at which point cash management procedures may become necessary.

Source: FHWA

# FEDERAL HIGHWAY TRUST FUND

ESTIMATED FEDERAL HIGHWAY AND TRANSIT OBLIGATIONS WITH NO NET NEW REVENUE



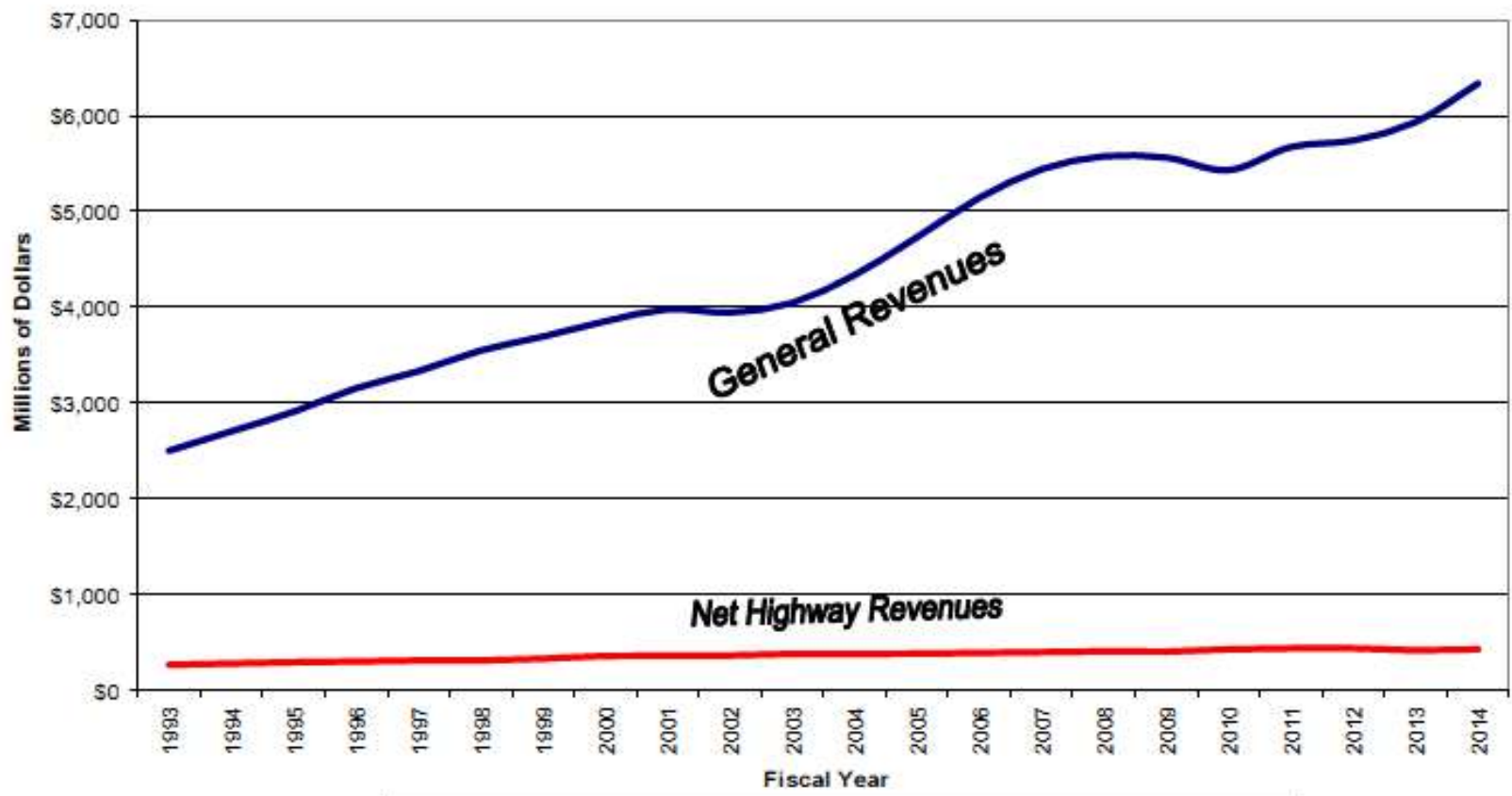




# The Bottom Line

- **Highway funding system is flawed**
- **Spending inconsistent with expectations**
- **Infrastructure must be a higher priority**

# State General Revenue vs. AHTD Net Highway Revenue



General Revenue

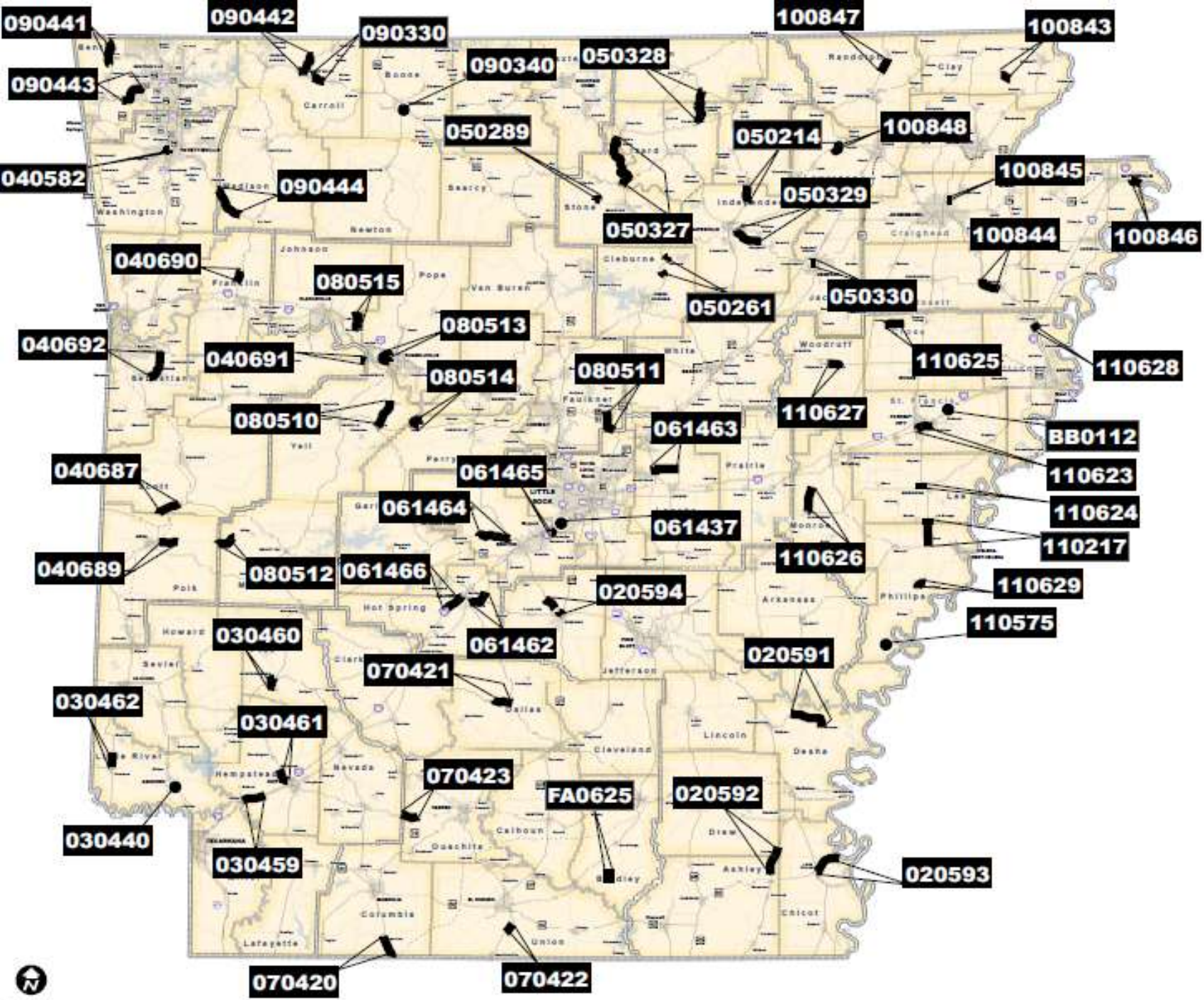
Net Highway Revenue



# THE UGLY



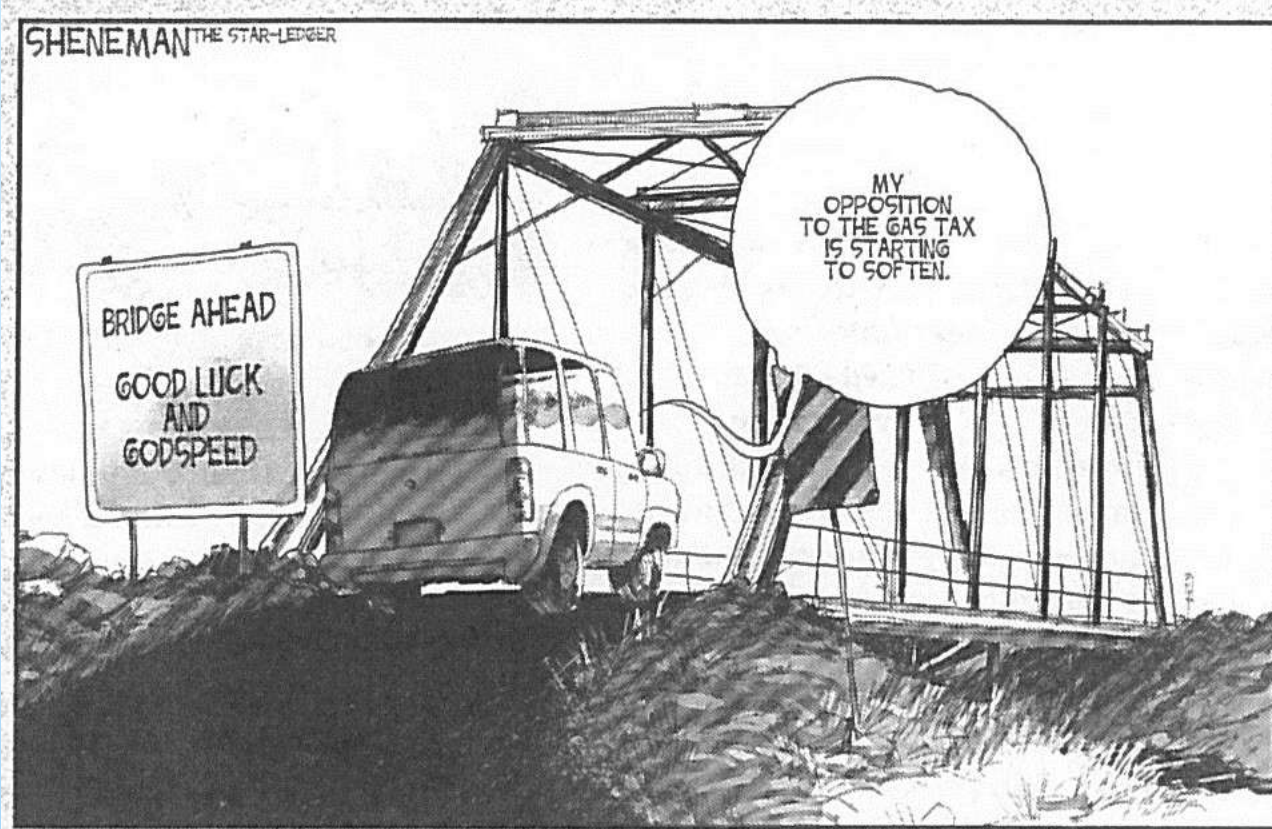
# 2015 Projects Removed



# Impacts to Arkansas

**2015**

61 Projects Removed  
\$162 million

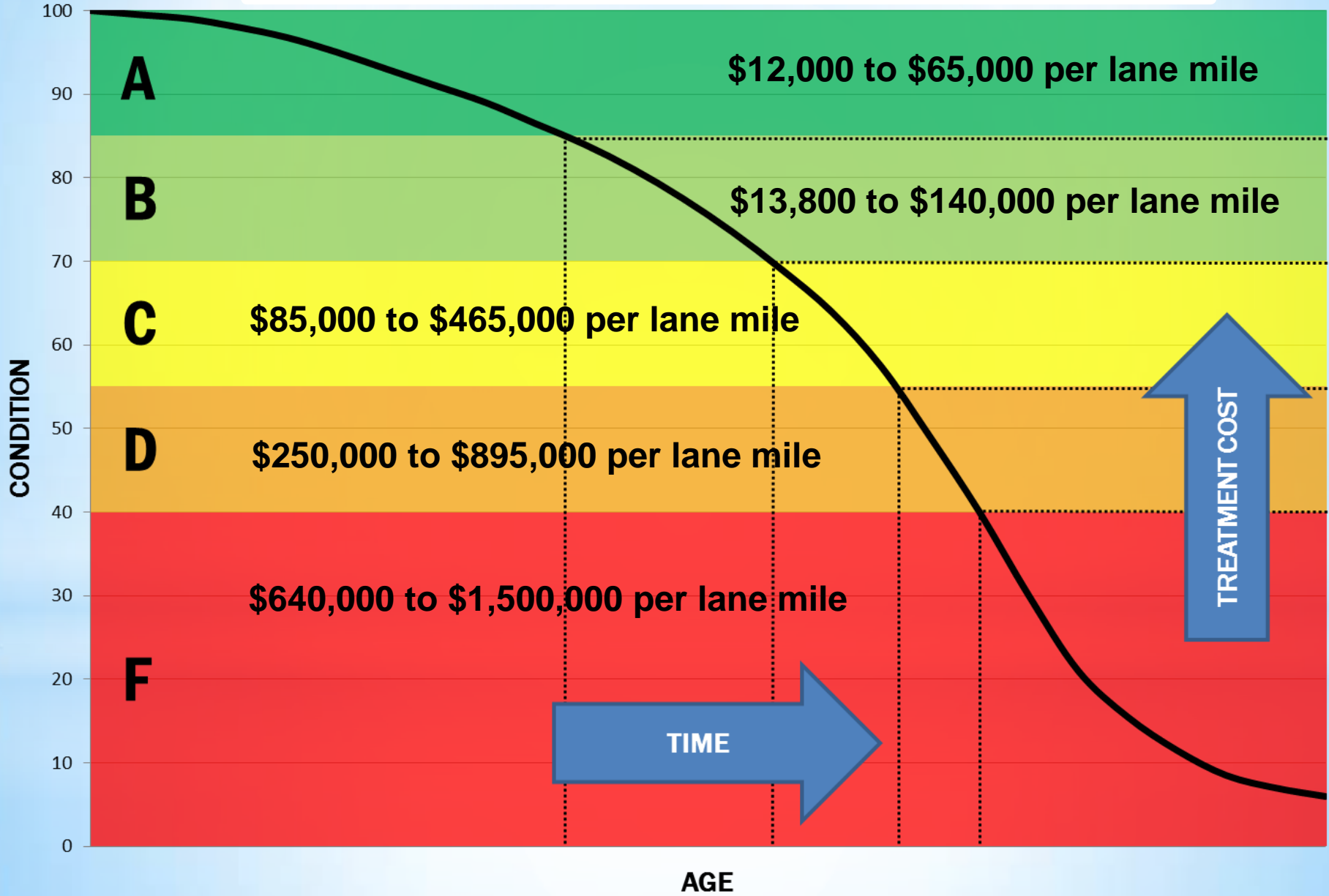


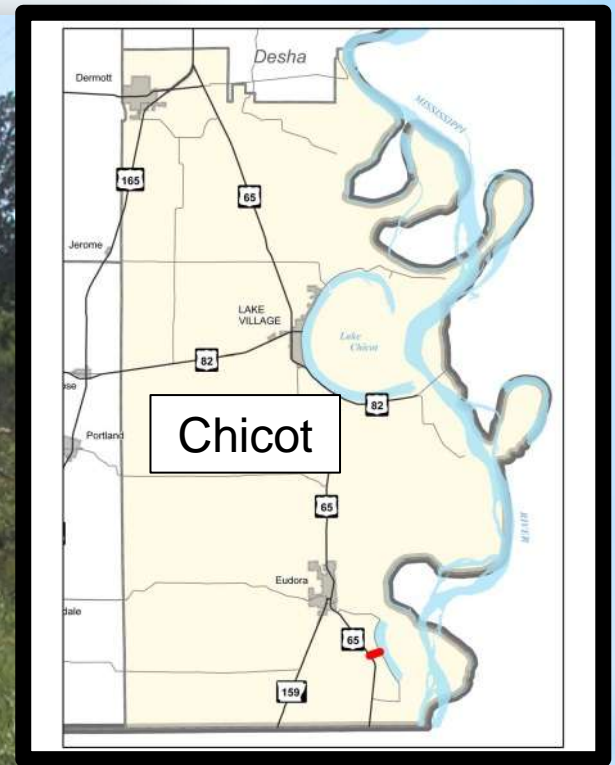
**POTENTIAL  
RISK**

FFY 2015  
120 Projects  
\$490 Million

FFY 2016  
130 Projects  
\$520 Million

# Pavement Deterioration





**Ranking  
#74**

**Rutting: 0.34 inches**

**IRI: 213 inches / mile**

**Cracking: 42**

**PCI: 65**

**ADT: 170**



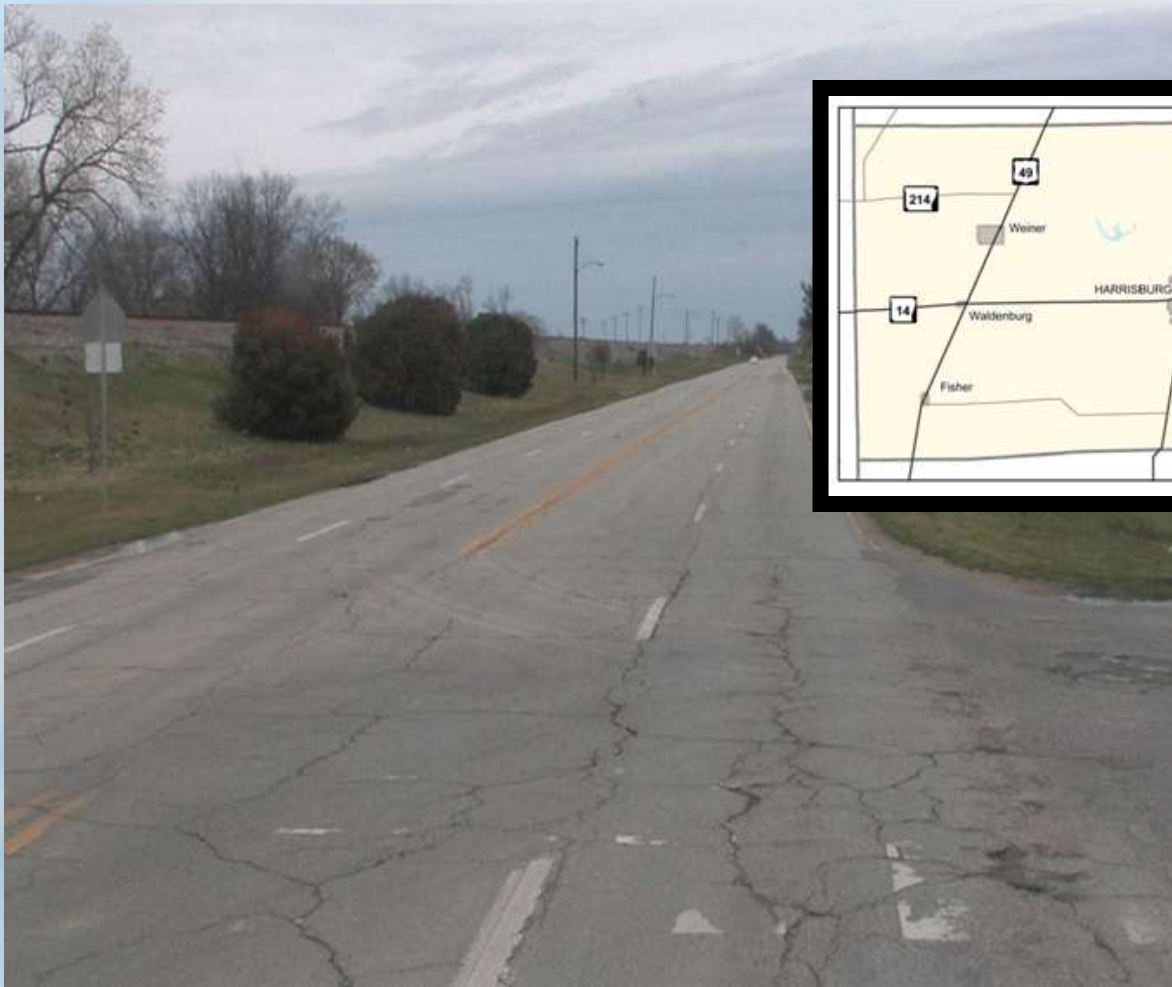
Excellent

Good

Fair

Poor





**Ranking  
#54**



Business

**Rutting: 0.29 inches**

**IRI: 190 inches / mile**

**Cracking: 66**

**PCI: 67**

**ADT: 7,600**

Excellent

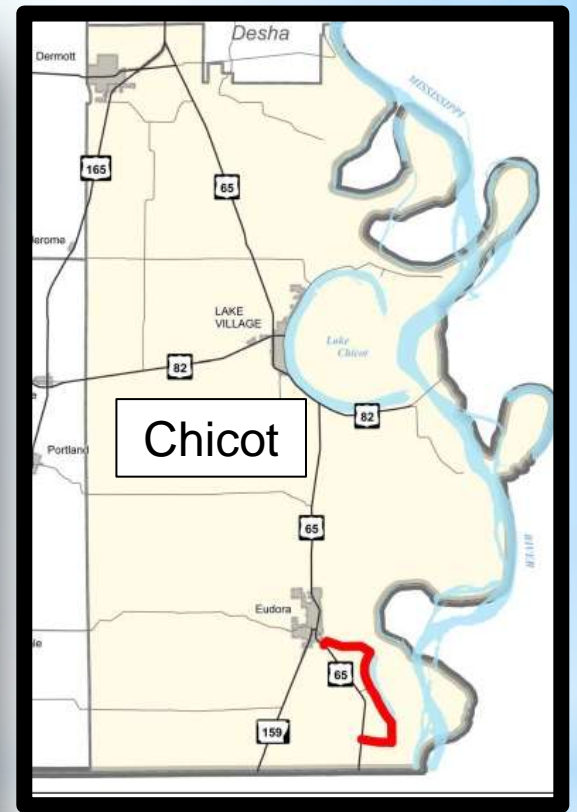
Good

Fair

Poor







# Ranking #3

Rutting: 0.58 inches

IRI: 313 inches / mile

Cracking: 62

PCI: 82

ADT: 200



Excellent

Good

Fair

Poor





**Ranking  
#2**



Business

**Rutting: 0.56 inches**

**IRI: 320 inches / mile**

**Cracking: 63**

**PCI: 82**

**ADT: 180**

Excellent

Good

Fair

Poor





# Ranking #1

<b>Rutting: 0.69 inches</b>	<b>IRI: 240 inches / mile</b>
<b>Cracking: 84</b>	<b>PCI: 86</b>
<b>ADT: 80</b>	



Excellent Good Fair Poor



# *Ramifications*

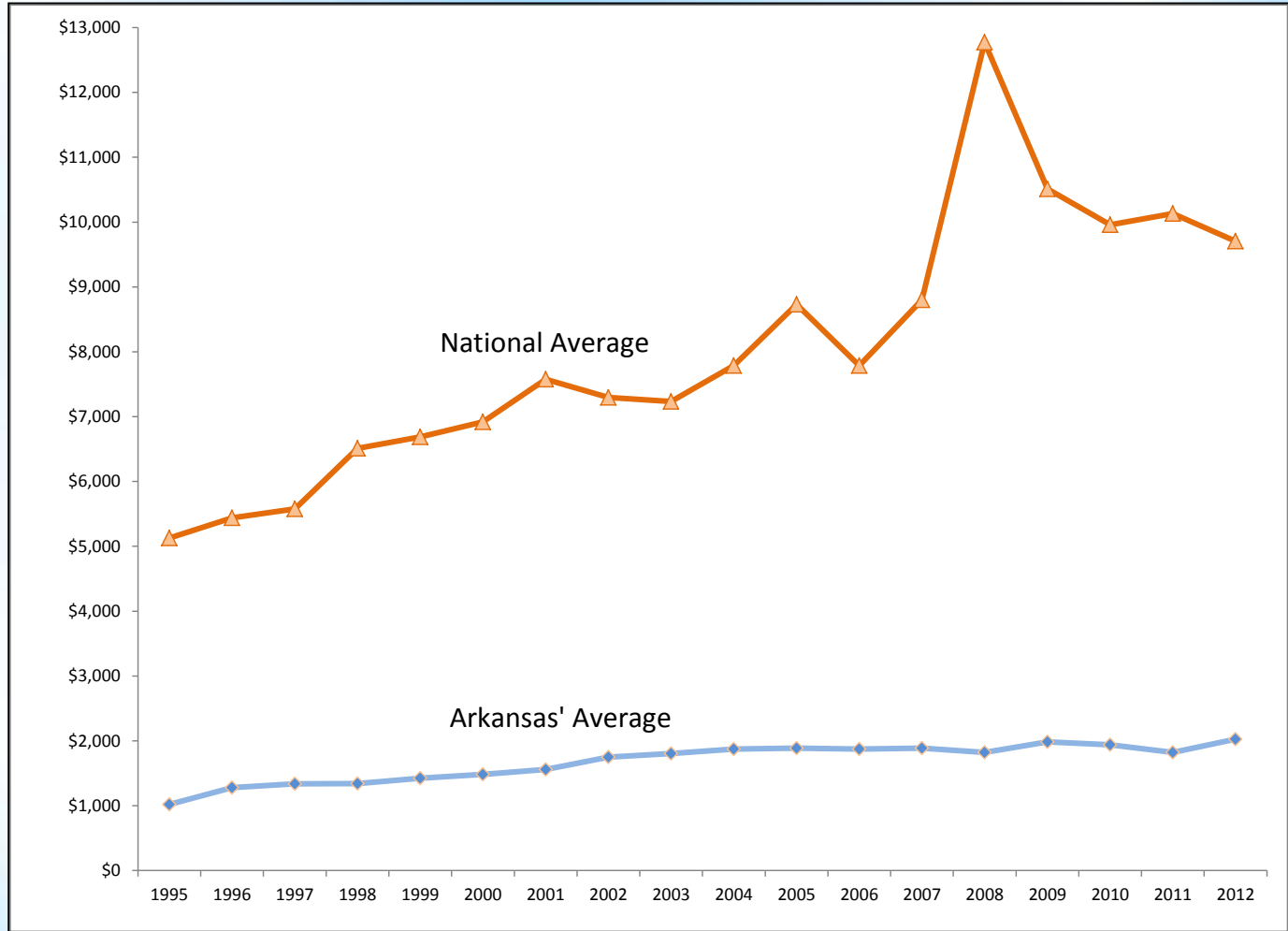
- **Projects pulled**
- **Highway system deterioration**
- **Lost economic development**
- **Lost jobs**
- **Compromised safety**
- **Higher operating costs**



# THE GOOD



# AHTD Administrative Costs Per Mile



National Average = \$9,705/mile

Surrounding States' Average = \$4,905/mile

Arkansas = \$2,024/mile

Arkansas' Rank = 48<sup>th</sup>





# Employment Levels

Year	Employees
2014	3,634
2002	3,801
1992	4,016
1982	3,770
1972	3,892
1965	3,620

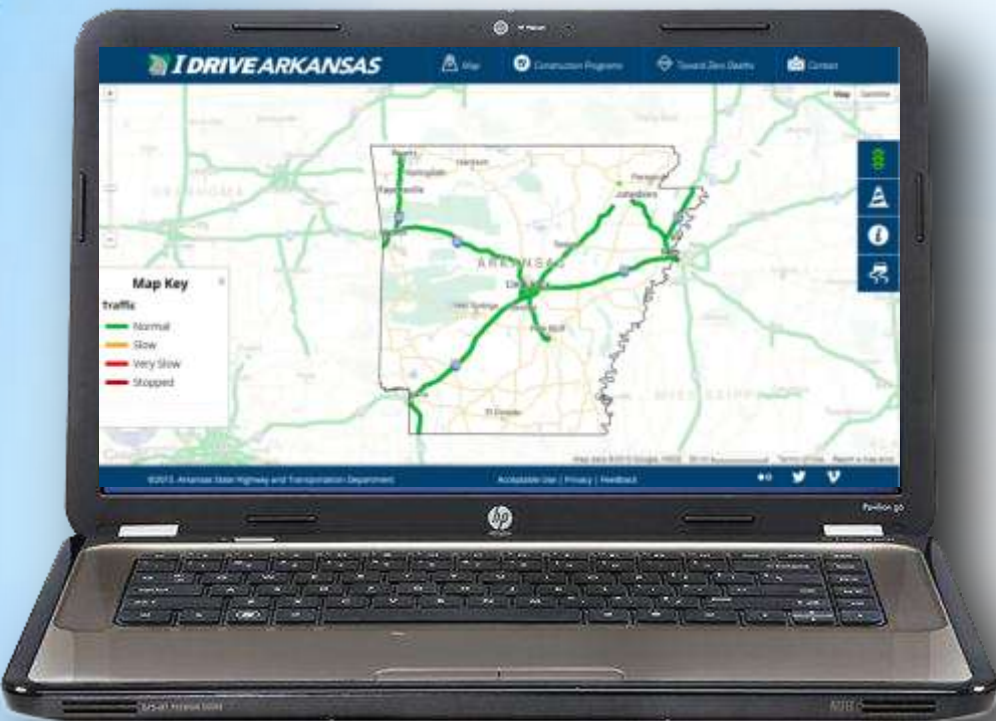




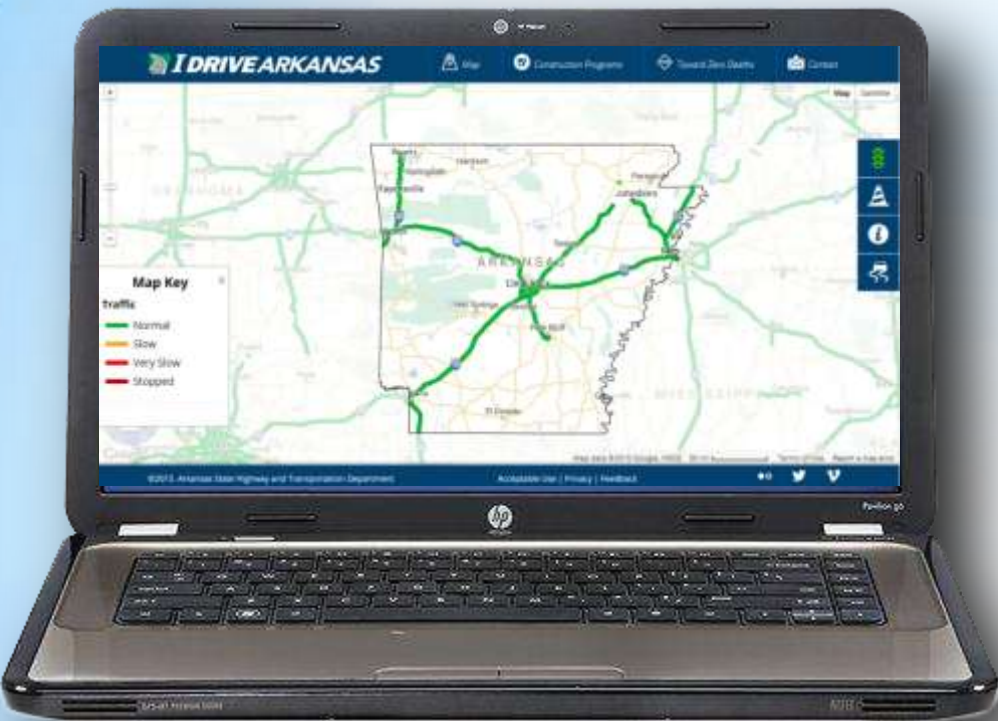
# Social Media



# Social Media

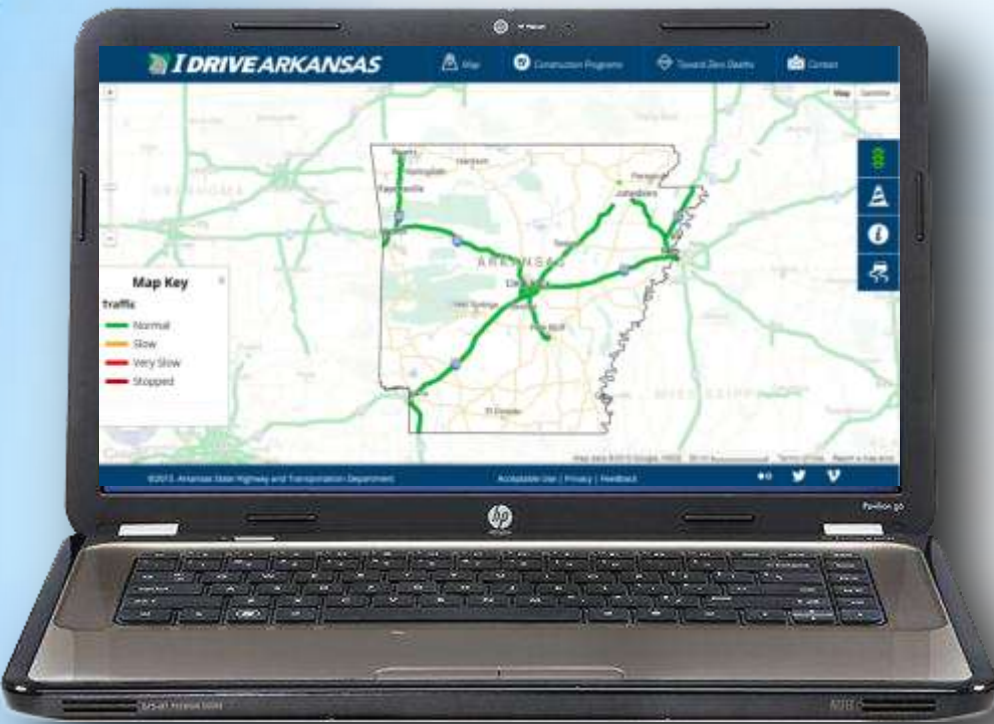


- 1.3 million new & returning visitors
- 3.6 million visits
- 73% use mobile phones & tablets



Social Media

1.9 million visits



**February 16**  
**236,093 users**  
**47% new users**  
**388,245 visits**

**Social Media**



# Social Media



# 21,630 Followers

- ✓ Lane Closures
- ✓ Detours
- ✓ Accidents
- ✓ Severe Weather Advisories

Social Media

# Social Media



State Agency	Total Twitter Followers
AHTD	21,626
Game & Fish	13,400
State Parks	9,697
State Police	6,595

# Social Media





# **Dan Flowers Distinguished Lecture**

**White Engineering Hall – Room 209**

**Friday, April 24, 2015**