

Scott Bennett, P.E.

Director



UCA College of Business

Wednesday, April 10, 2019



ACTSEP?

Arkansas Commercial Truck Safety and Education Program (ACTSEP)

- **Act 1176 of 2013**
 - 15% Registration Fee
 - \$2 Million / Year Set-Aside

- **Purpose**
 - Improve Commercial Truck Industry Safety
 - Ensure Safe Movement of Goods
 - Cooperative Public-Private Programs
 - a) Increased Enforcement
 - b) Regulatory Compliance
 - c) Industry Training
 - d) Educational Programs



Arkansas Commercial Truck Safety and Education Program (ACTSEP)

- Application Review Committee
 - Arkansas Highway Police Chief and Major
 - ARDOT's Assistant Chief Engineer for Planning
 - President of the Arkansas Trucking Association
 - Trucking Industry Representative (Steve Williams)



Arkansas Commercial Truck Safety and Education Program (ACTSEP)

- December 2, 2014 – February 2, 2015
- 1st ACTSEP Application Cycle
- University of Central Arkansas
 - Awarded \$3 million
 - Endowed Chair in Motor Carrier Management
 - 4-year Supply Chain Logistics Management Degree
 - Workforce Training





History

“We are always yapping about the ‘Good Old Days’ and how we look away back and enjoy it, but I tell you there is a lot of hooley to it.”

– Will Rogers



The Teens

- ***First Commission Created***
 - ✓ ***No Highway Department***
 - ✓ ***No Highway System***
- ***\$72,000 Total Budget***
- ***36,000 Miles of Public Roads***

Highway 71 near Bella Vista



The Twenties



Repair Shop of State Highway Department, Little Rock, early 1930s



- **Highway System Created**

- **Highway Department Created**

- **First Gas Tax – 1 cent per gallon**

- **200,000 Vehicles/8,800 highway miles (1,400 Paved)**

- **Highway Commission Structure Changed Twice**

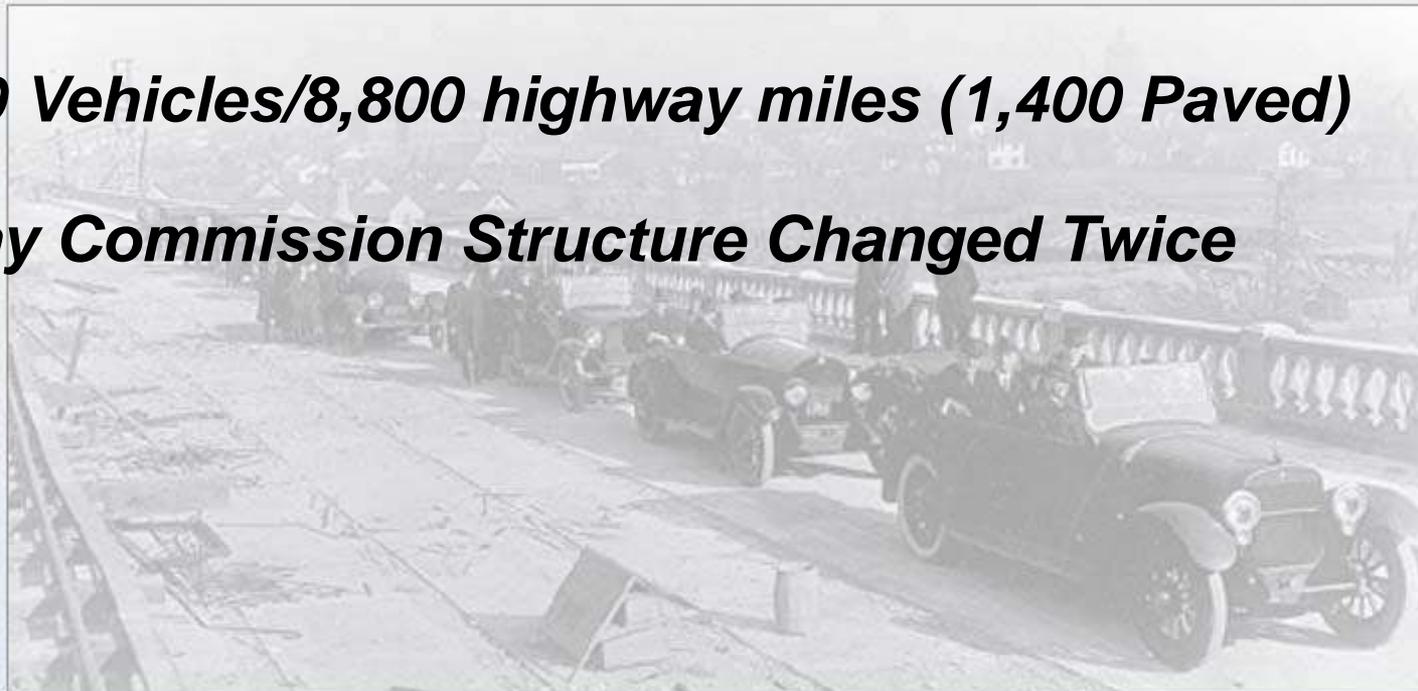
Highway Districts 1923



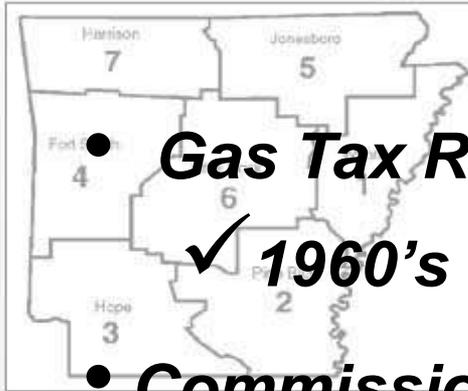
Highway Districts 1925



Broadway Bridge dedication, 1922. View is looking towards North Little Rock



The Thirties and Forties



- **Gas Tax Raised to 6.5 cents per Gallon**

- ✓ **1960's Before Next Increase**

- **Commission Structure Changed Four More Times**



Magnet Truck, Picked up an average of 100 lbs of metal per mile

- **9,700 Highway Miles (4,900 Paved)**

- **Too much Political Influence on Highways**
– **Growing Discontent**



State Highway Department HQ, 1939





- **1951 - Highway Audit Commission Report**

- ✓ **“the advice, counsel and expert know-how which is available from the Department’s own technical and administrative staffs has scant weight indeed when they are in conflict with the political pressures and political promises of the moment.”**

- **9 Legislative Acts Restructured Commission since 1913**
- **1952 – Mack Blackwell Amendment**

Widening Hwy 67 near Malvern, 1956



The Sixties and Seventies



- **No changes to Commission Structure**
- **Department became Debt Free**

South Terminal, Little Rock, Arkansas. Lawrence Blackwell burning bonds at a ceremony in 1975.

- **Legislature transferred nearly 4,400 more miles of County Roads to Highway System**



- **Department adds “Transportation” to its name – Authority Expanded**

- **1st State to Complete its Interstate System (1975)**
- **16,000 Highway Miles (15,000 Paved)**



Toad Suck Ferry on Arkansas River at Highway 60, 1970

I-430 River Bridge, 1973

The Eighties and Nineties

- **1985 – Rural Road Program – out of the mud**
- **Early Retirements – huge workforce turnover**
- **1991 – Highway Improvement Program**
- **1993 – Last Federal Gas Tax Increase**



Section of Hwy 7 named first Scenic Byway of Arkansas.

- **1999 – State Gas Tax Increase**

1991 Highway Improvement Program authorized to improve or replace approximately 560 bridges.

- **1999 – Interstate Rehabilitation Program – First Highway Bond Issue in 50 years**

- **I-540 (now I-49) and I-530 Completed**

- **16,400 Highway Miles**

Hopper Tunnel, 1999



The New Millennium



- **2011 – 2nd Interstate Rehabilitation Program**
- **2012 – Connecting Arkansas Program**



Winter Weather in Dec 2000 and Jan 2001 cost almost \$40 M.

- **Governor's Working Group on Highway Funding**

- **16,400 miles State Highways**



New White River Bridge on Hwy 64 at Augusta opened in 2001.





Promises Made
Promises Kept



**Rebuilding Arkansas
Interstates**



1999 Interstate Rehabilitation Program



50 Projects
356 Miles
\$973 Million

Prior to Program
63% Poor or
Mediocre

After Program
72% Good

Completed

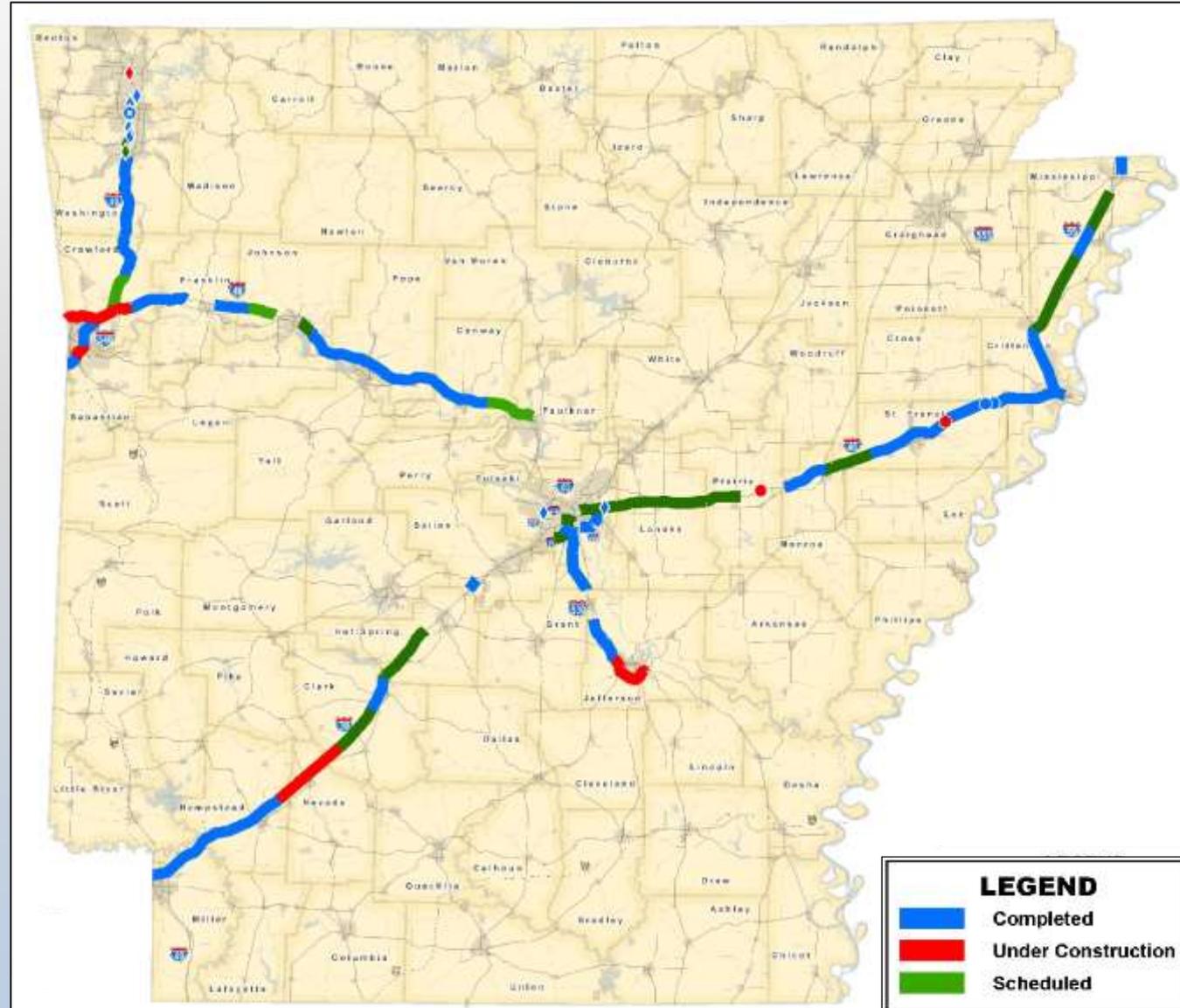
46 Projects
290 Miles
\$1.0 Billion

Under Construction

6 Projects
54 Miles
\$314 Million

Scheduled

27 Projects
159 Miles
\$219 Million



Completed

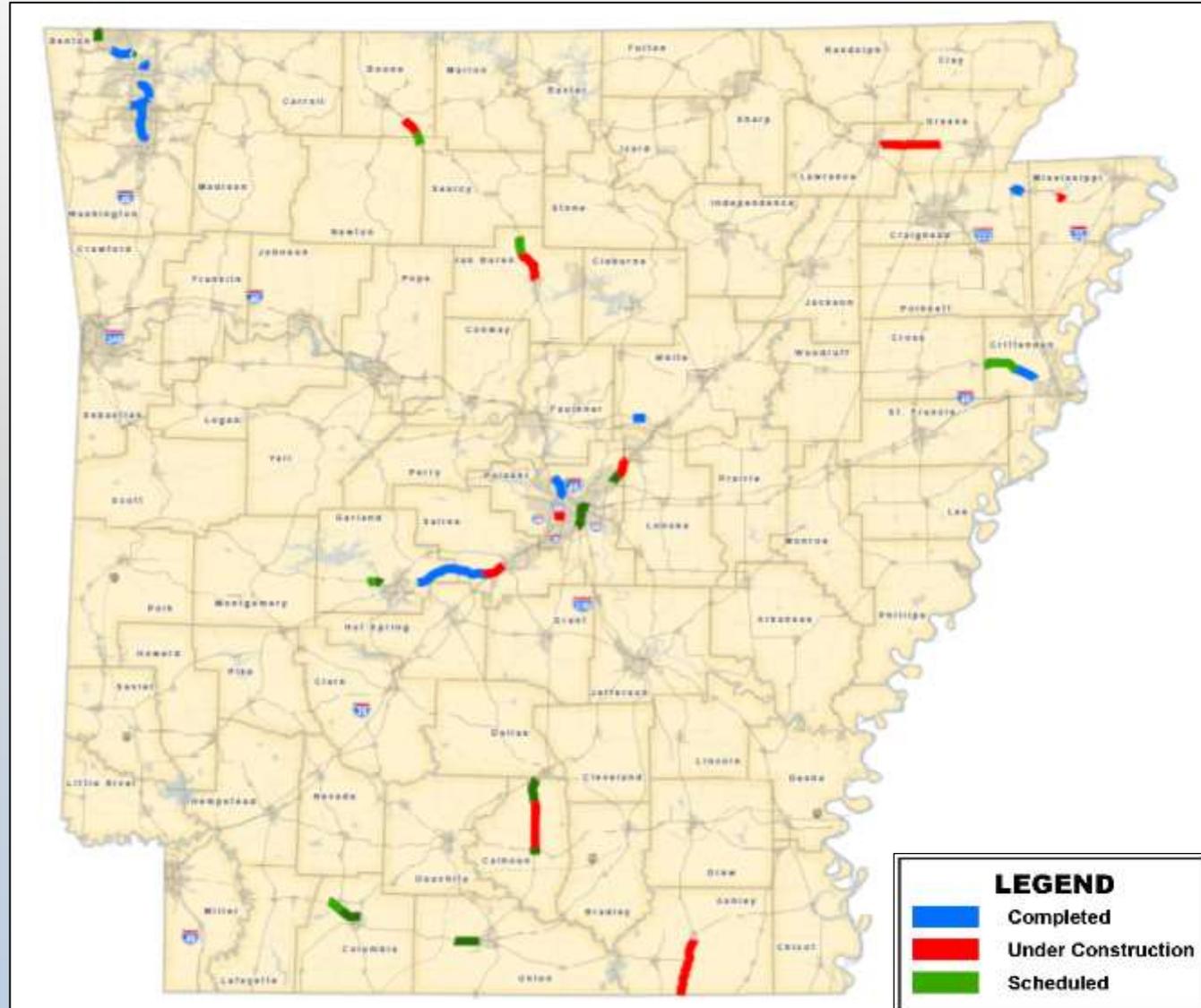
11 Projects
61 Miles
\$432 Million

Under Construction

11 Projects
68 Miles
\$627 Million

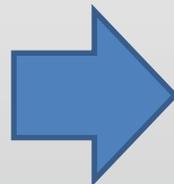
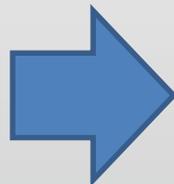
Scheduled

14 Projects
56 Miles
\$974 Million





About Us



1929
Arkansas
Highway and
Department of
Lands

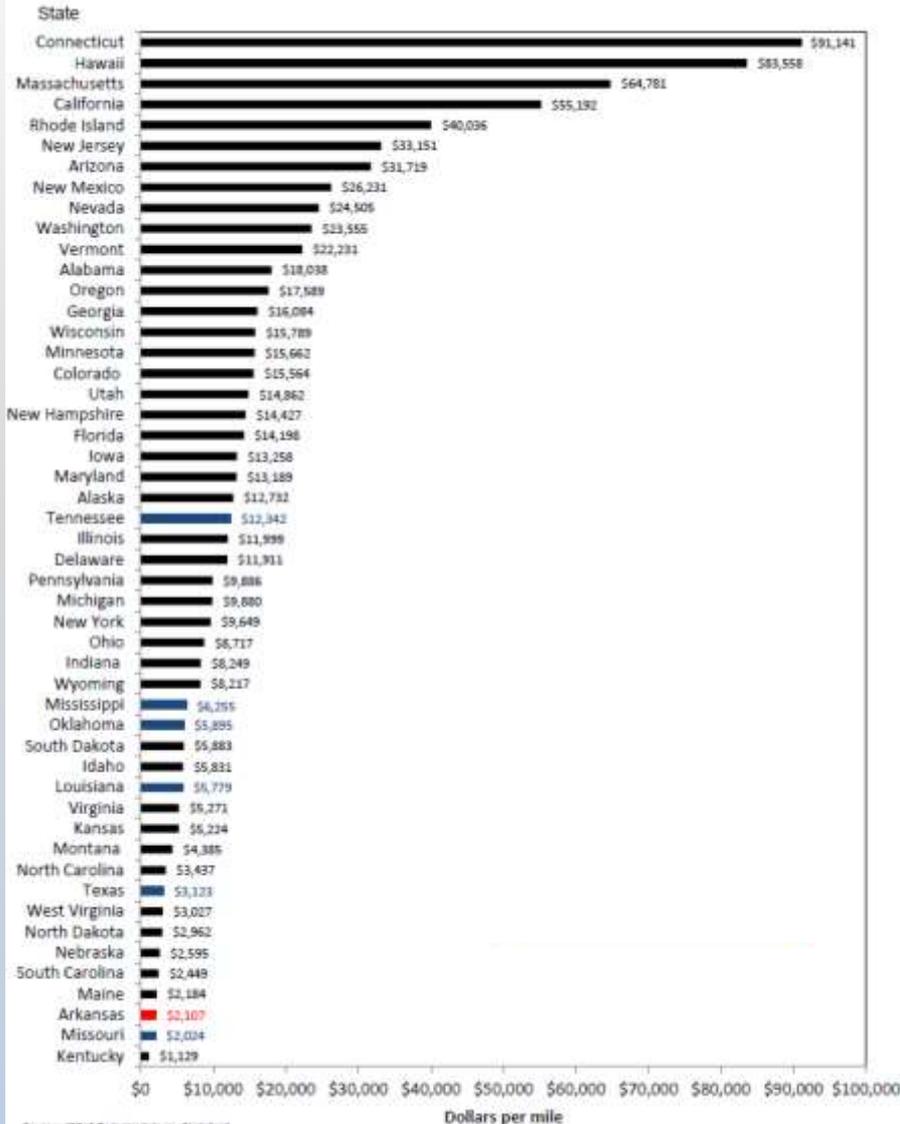
1977
Arkansas State
Highway and
Transportation
Department

2017
Arkansas
Department of
Transportation

*Provide safe and **efficient** transportation solutions to support Arkansas' economy and enhance the quality of life for generations to come.*

Adopted June 7, 2017

Administrative Cost Per Mile
 Arkansas Ranks 48th in the Nation



Source: "2013 Federal Highway Statistics"
 Note: Excludes Toll Facilities

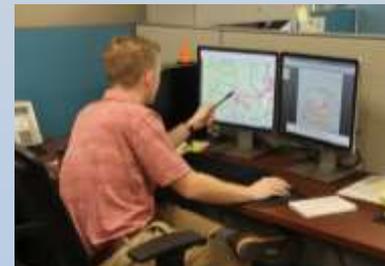
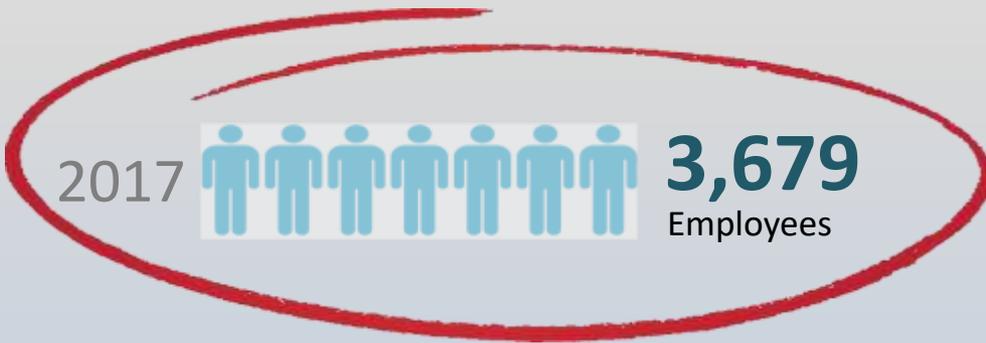
Arkansas = \$2,107

Surrounding States Average = \$4,334

National Average = \$9,224

Arkansas has the
 3rd Lowest
 Administrative Cost Per
 Mile
 in the Nation

Employment Levels Efficiency



Core Values

Safety

- Safety first in all we do

Public Service

- Focus on the greater good

Teamwork

- One vision through collaboration and communication

Quality

- Deliver reliable transportation solutions

Integrity

- Commitment to ethics and transparency

Efficiency

- Achieve maximum benefit through fiscal responsibility



3rd Largest State Agency
(app. 3,700 Employees)

Maintains
16,418 miles of Highway
7,335 Bridges

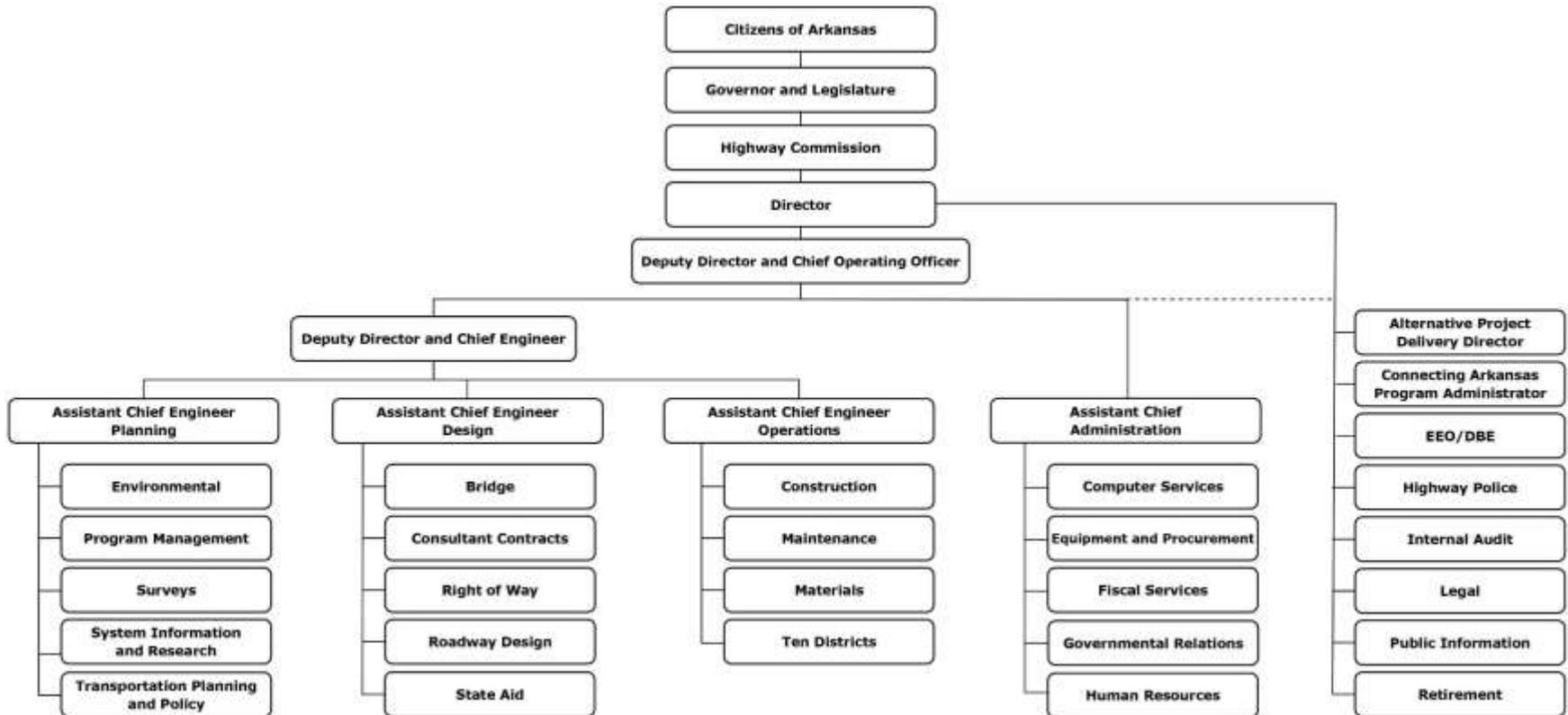
Central Offices in Little Rock

10 Districts Statewide

Mission:
Provide safe and *efficient* transportation solutions
to support Arkansas' economy and enhance the
quality of life for generations to come.

Organization Chart

ARKANSAS DEPARTMENT OF TRANSPORTATION ORGANIZATION CHART



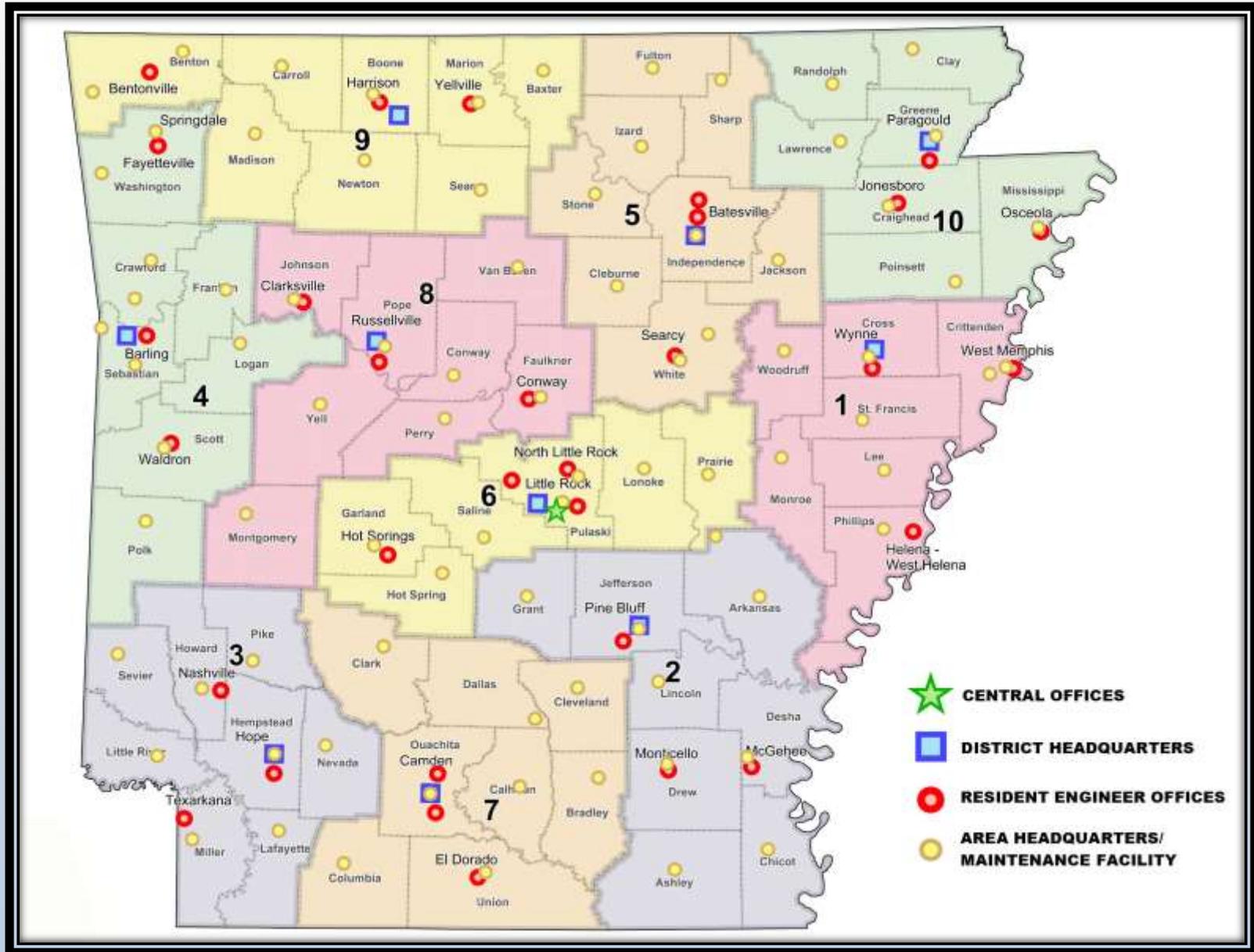
Scott S. Bennett

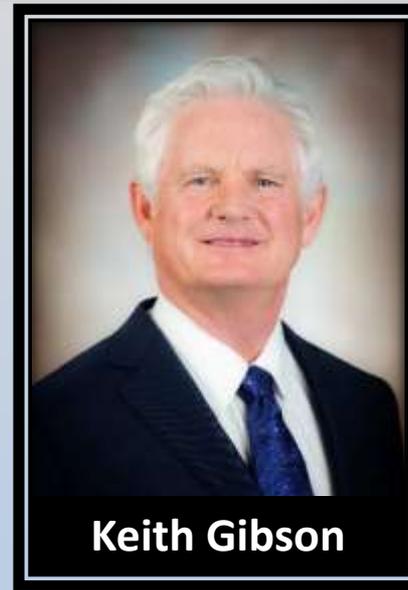
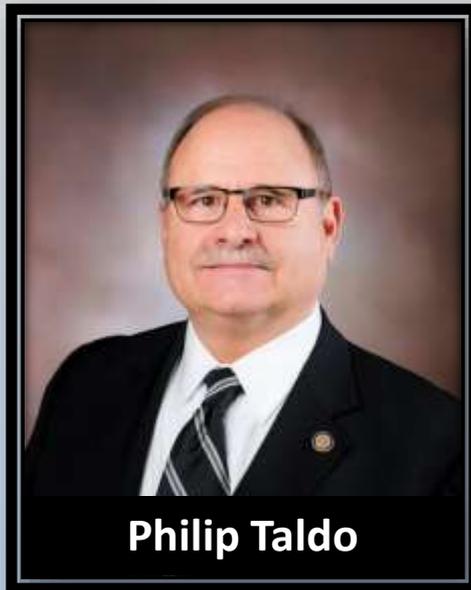
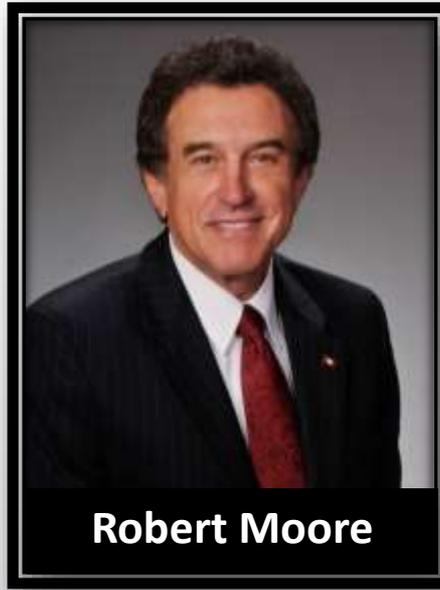
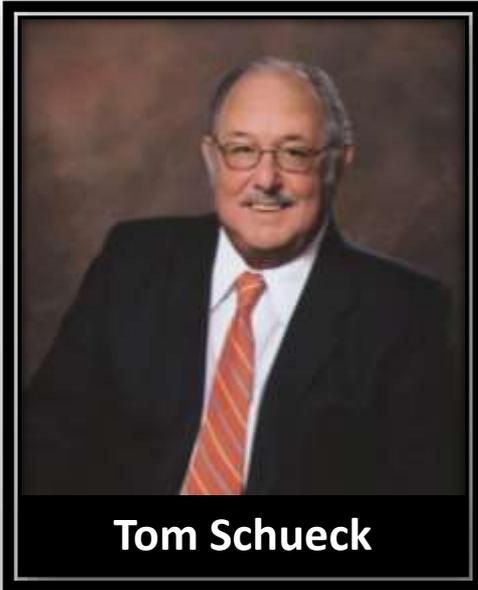
Director of Highways and Transportation

April 11, 2017

Date

District Organization





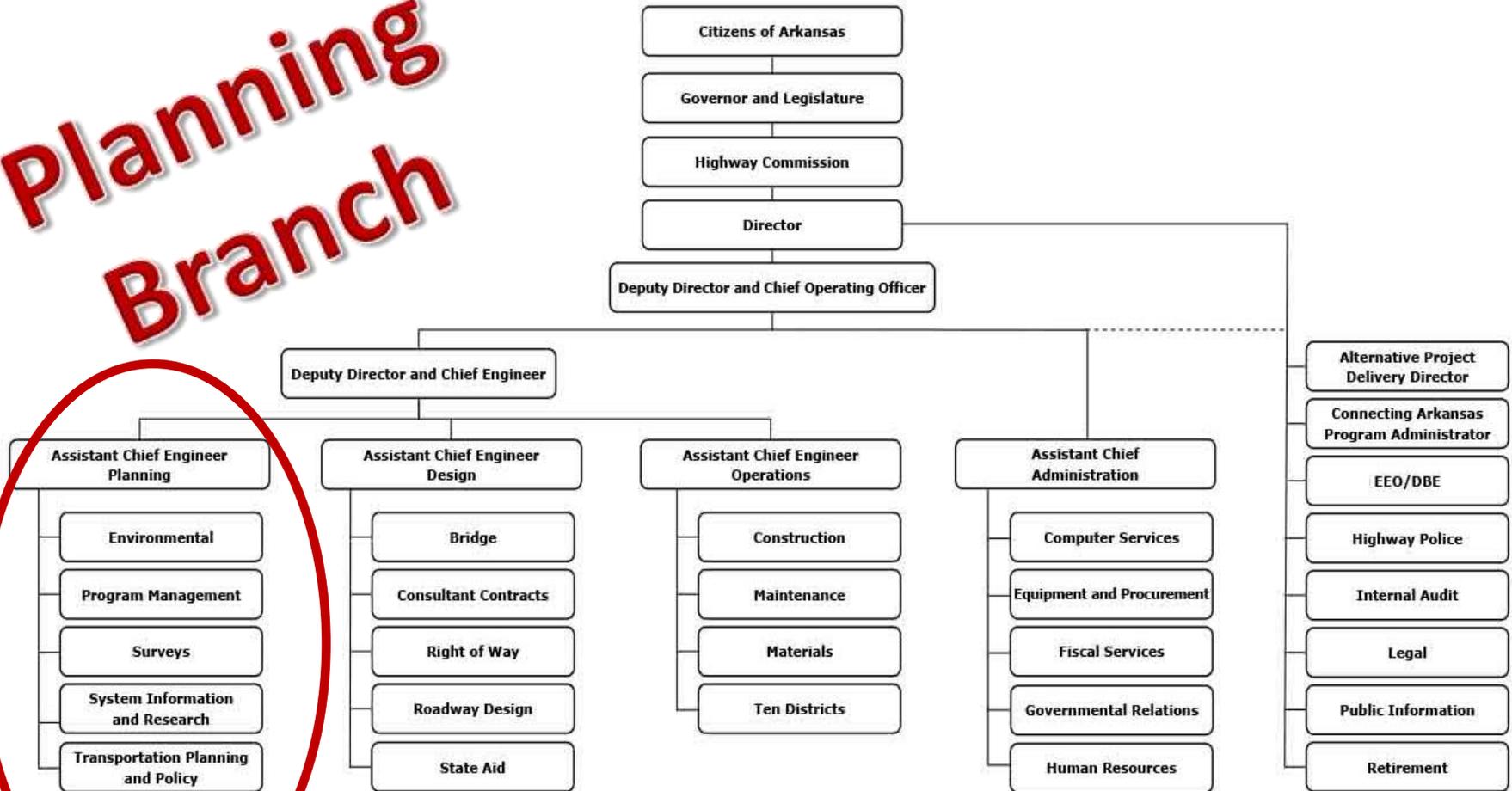


- **Planning and Scheduling**
 - System Management Analysis
 - Planning Studies
 - Statewide Transportation Improvement Program (STIP)
- **Project Development**
 - Environmental Analysis and Report
 - Surveys
 - Design
 - Right-of-Way Acquisition
 - Utility Relocation
- **Award Contract**



ARDOT Organization Chart

Planning Branch



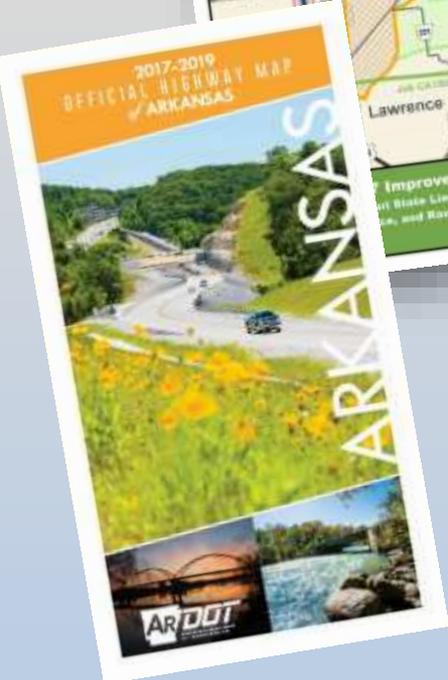
Scott D. Bennett

Director of Highways and Transportation

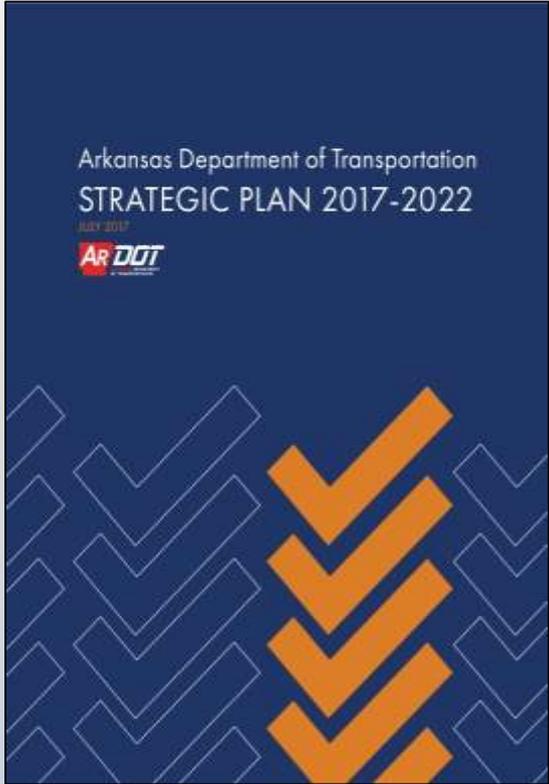
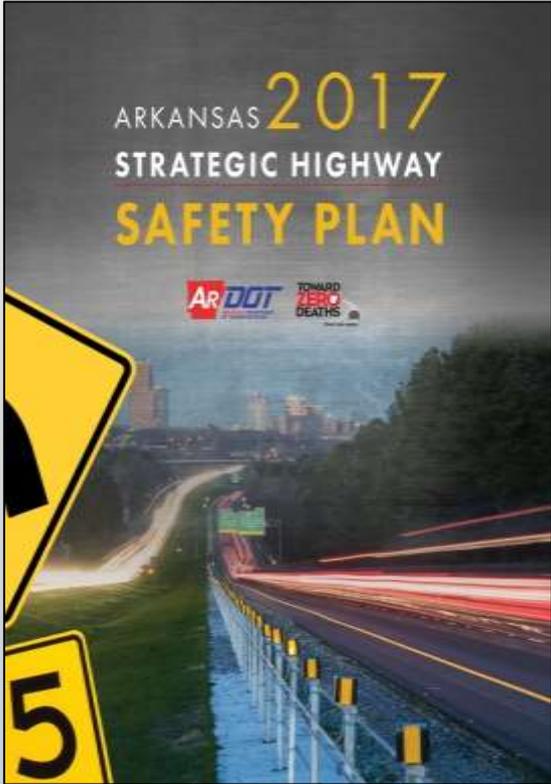
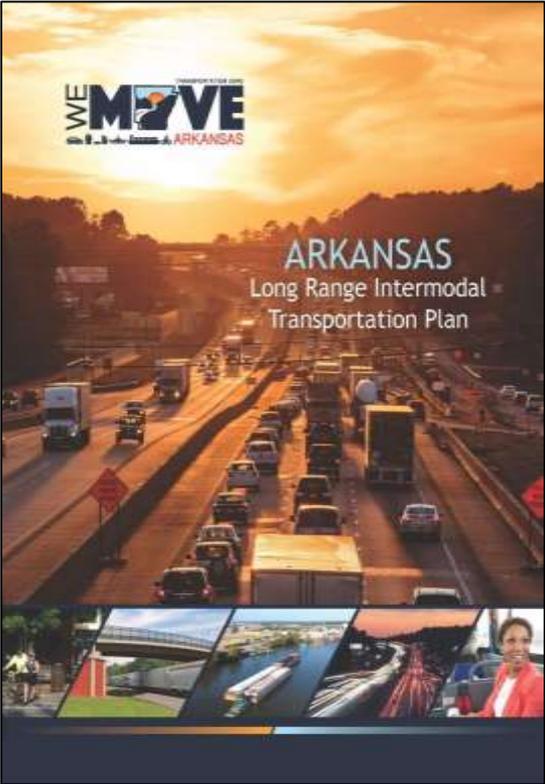
April 11, 2017

Date

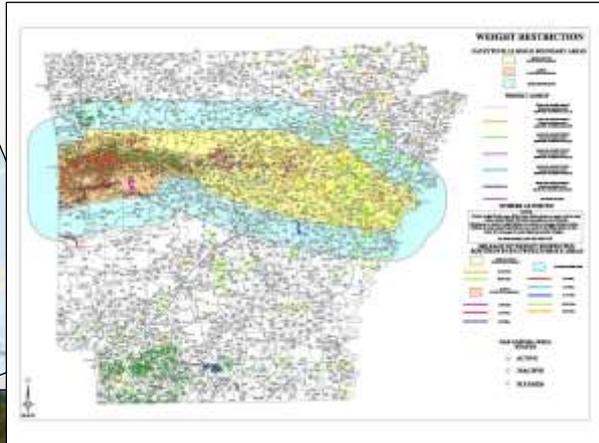
Transportation Planning & Policy



Transportation Planning & Policy



System Information & Research



ARKANSAS
2016

ANNUAL AVERAGE DAILY
TRAFFIC ESTIMATES

BY COUNTY

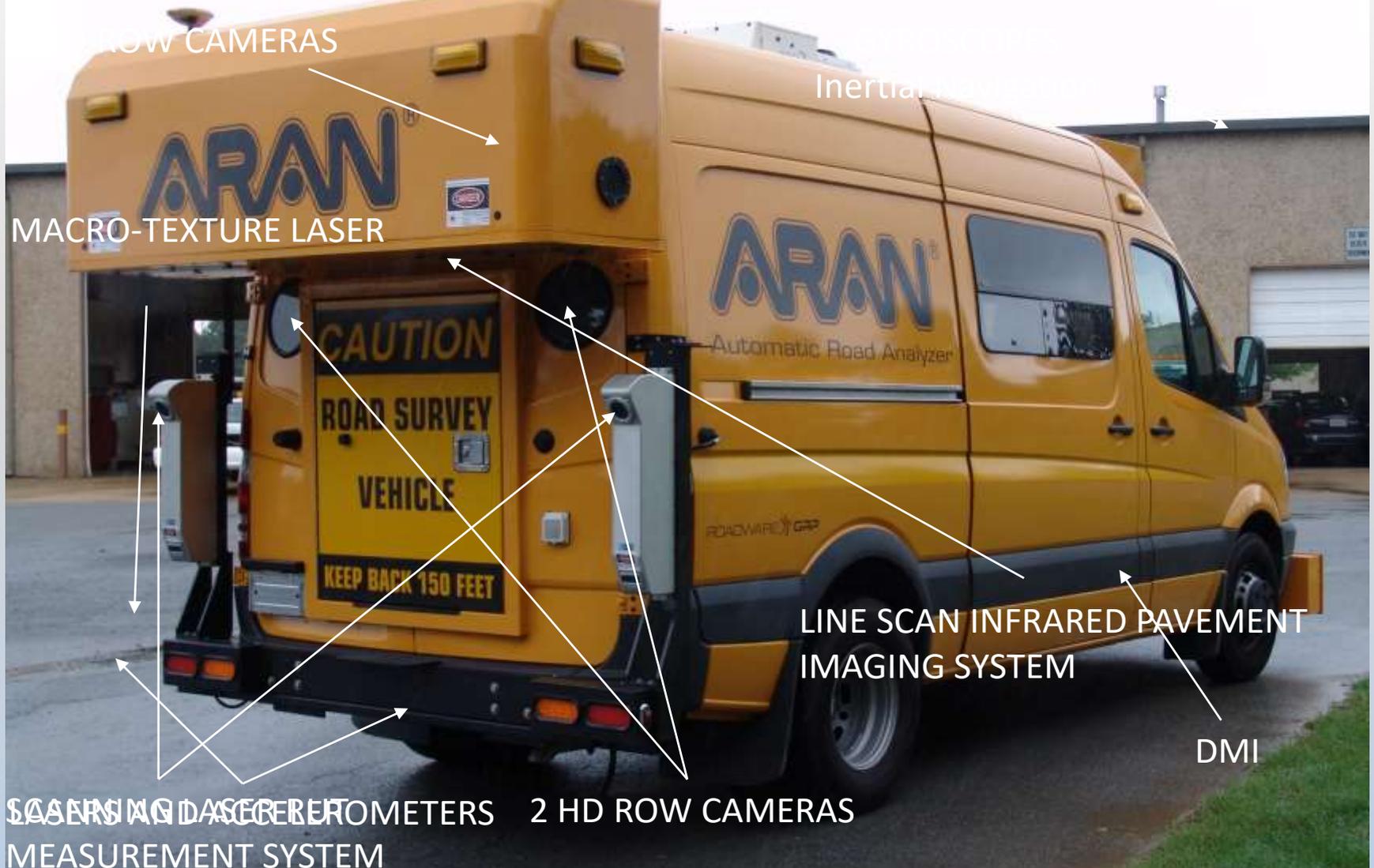


PUBLISHED APRIL 2017



Pavement Management

ARAN (Automatic Road Analyzer)



Multi-Media Highway Information System (MMHIS)

MMHIS - [Route 30 East, Section 11, Year 2012-3]

MMHIS - [Route 340 North, Section 4, Year 2012-3]

Route: 340 North

Category	Item	Value
GPS	Latitude	36.027710
GPS	Longitude	-94.187332
Roadway	Roadway Data Date	3/12/2012
Counties	Counties	4
County	County	WASHINGTON
Log Mile	Log Mile	60.095 mile
Section	Section	4
Beginning Log Mile	Beginning Log Mile	59.990 mile
Ending Log Mile	Ending Log Mile	60.500 mile
Length	Length	0.510 mile
Number of Lanes	Number of Lanes	4
Rural/Urban	Rural/Urban	Large Urban
Functional Classif...	Functional Classif...	1
NHTS System Class...	NHTS System Class...	On I-95 (Stat)
Surface Type	Surface Type	AC/P
Surface Width	Surface Width	78 ft
Lane Width	Lane Width	12 ft
Median Width	Median Width	70 ft
Right Shoulder Sur...	Right Shoulder Sur...	Asphalt
Right Shoulder Wid...	Right Shoulder Wid...	10 ft
Left Shoulder Sur...	Left Shoulder Sur...	Asphalt
Left Shoulder Wid...	Left Shoulder Wid...	5 ft
Job Number	Job Number	
Year Built	Year Built	1999
Average Daily Tra...	Average Daily Tra...	2800
MMHIS Data Code	MMHIS Data Code	3112-3
RI - Left Wheel P...	RI - Left Wheel P...	63.36 inches
RI - Right Wheel ...	RI - Right Wheel ...	77.30 inches
Rutting - Left Whe...	Rutting - Left Whe...	0.079 inches
Rutting - Right W...	Rutting - Right W...	0.079 inches
Grade	Grade	-2.30
Fault Count	Fault Count	0
Average Fault	Average Fault	0.00
Maximum Fault	Maximum Fault	0
Bridge Data Date	Bridge Data Date	N/A
Structure Number	Structure Number	N/A
Facility On Structure	Facility On Structure	N/A
HighestMinimumW...	HighestMinimumW...	N/A
Year Built	Year Built	N/A
Main Span Type	Main Span Type	N/A
Approach Span T...	Approach Span T...	N/A
Number of Appro...	Number of Appro...	N/A
Maximum Span Le...	Maximum Span Le...	N/A
Structure Length	Structure Length	N/A
Curto-Curb Width	Curto-Curb Width	N/A
Out-to-Out Dedi...	Out-to-Out Dedi...	N/A
Deck Condition	Deck Condition	N/A
Substructure Con...	Substructure Con...	N/A
Operating Rating	Operating Rating	N/A
Bridge Rating	Bridge Rating	N/A
Routine Inspectio...	Routine Inspectio...	N/A
Designated Inspe...	Designated Inspe...	N/A
Year Reconstructed	Year Reconstructed	N/A
Deck Type	Deck Type	N/A
Surface Type	Surface Type	N/A
Sufficiency Rating	Sufficiency Rating	N/A
Replacement Fun...	Replacement Fun...	N/A
Job Status Data ...	Job Status Data ...	3/2/2012
Job Number	Job Number	R40048
Project Length	Project Length	8.16 mile
Minute Order Nu...	Minute Order Nu...	1971-207
Minute Order Date	Minute Order Date	
Let Date	Let Date	01/1997
Completion Date	Completion Date	04/1999
Total Cost	Total Cost	\$16,641,599
Location	Location	New Location
Type Work	Type Work	BASE & CURB
HEP Type Work	HEP Type Work	New Location
Included In HEP 91	Included In HEP 91	Y
Year	Year	1/2/12
Number of Accide...	Number of Accide...	303
Number of Fatali...	Number of Fatali...	3
Number of Injurie...	Number of Injurie...	198
Number in Conco...	Number in Conco...	3
Layers Data Date	Layers Data Date	N/A
Layer 1 Thickness	Layer 1 Thickness	N/A
Layer 2 Thickness	Layer 2 Thickness	N/A

Route: 340 North Lane: 6429, File: Combined Image (Panoramic View)

Left Right

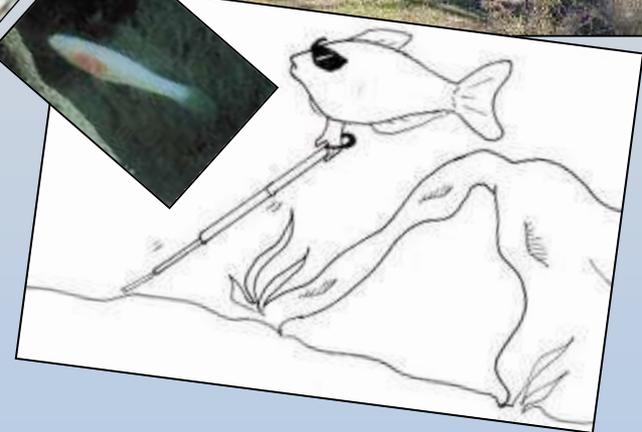
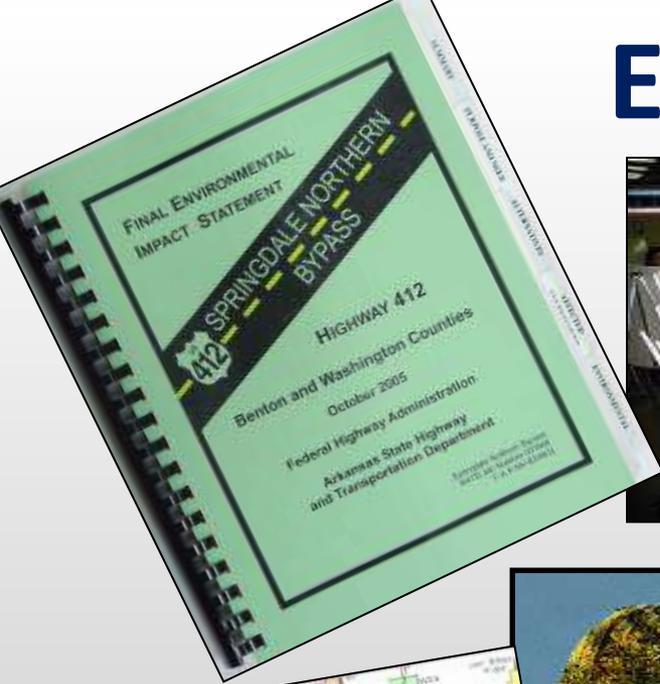
Left Right

Left Right

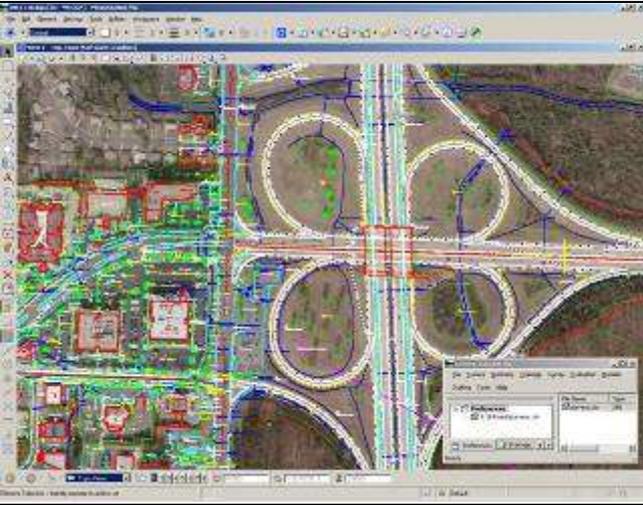
MMHIS - [Route 340 North, Section 4, Year 2012-3]

Minute Order Nu... PCT358
Minute Order Date
Let Date 03/1984

Environmental



Surveys



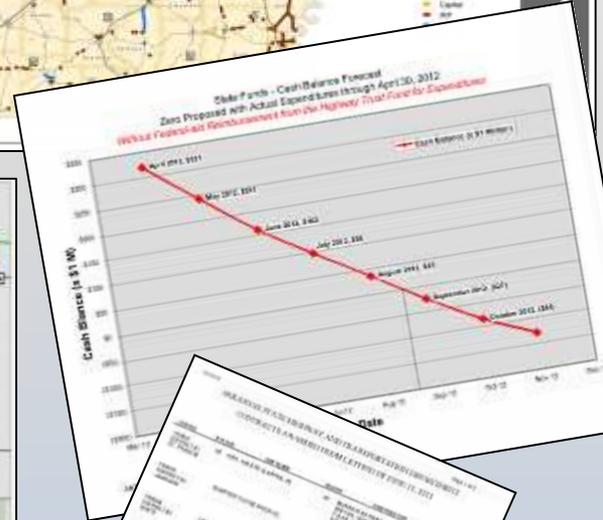
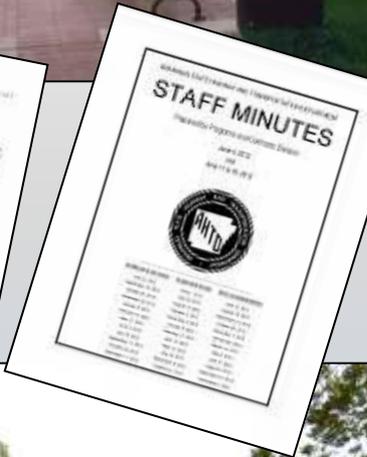
Program Management



2016-2020
Federal Fiscal Years

STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
STIP

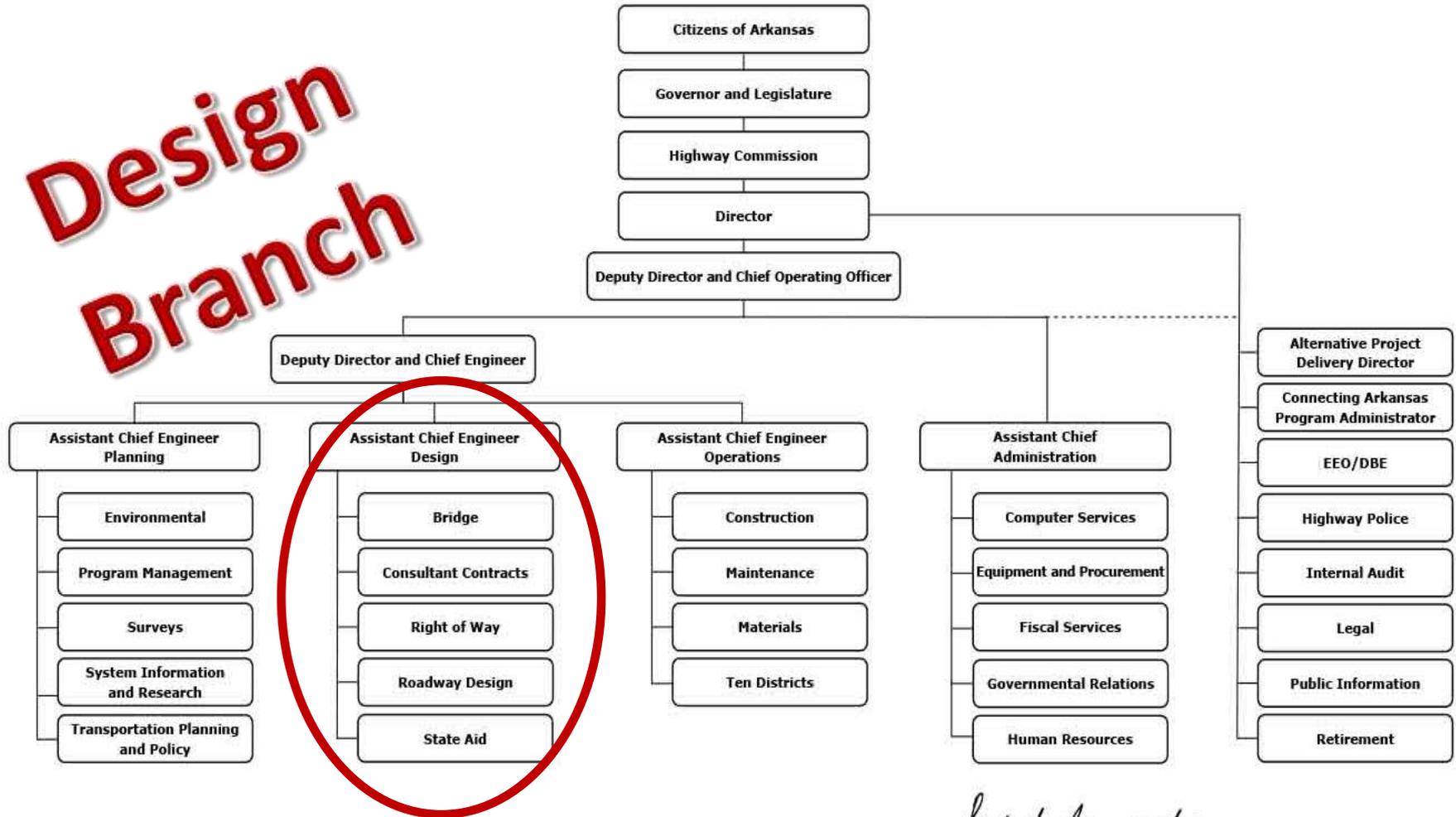
ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
Presented by the Arkansas State Highway & Transportation Department
for compliance with Title 23, ARS, §101
Revised 11/2015



PROJECT NAME	START DATE	END DATE	STATUS
Interstate 40 Hwy. 85 East Widening	May 2014	May 2014	Complete
Interstate 40 Palmetto Creek Hwy. 305 Widening	August 2014	December 2014	In Progress
Interstates 40 & 430 Hwy. 385 I-430 Widening & I-430 Interchange Modifications	April 2015	April 2015	Complete
...

ARDOT Organization Chart

Design Branch



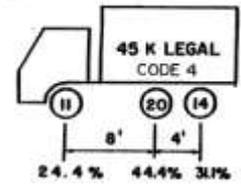
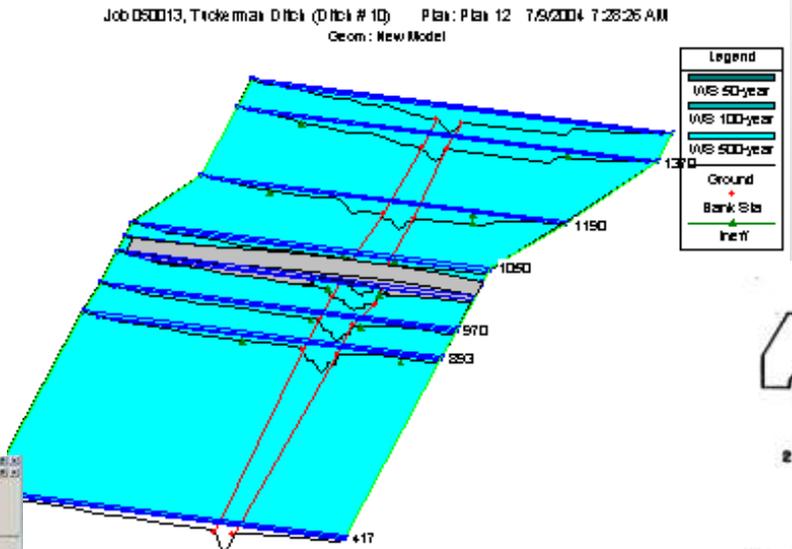
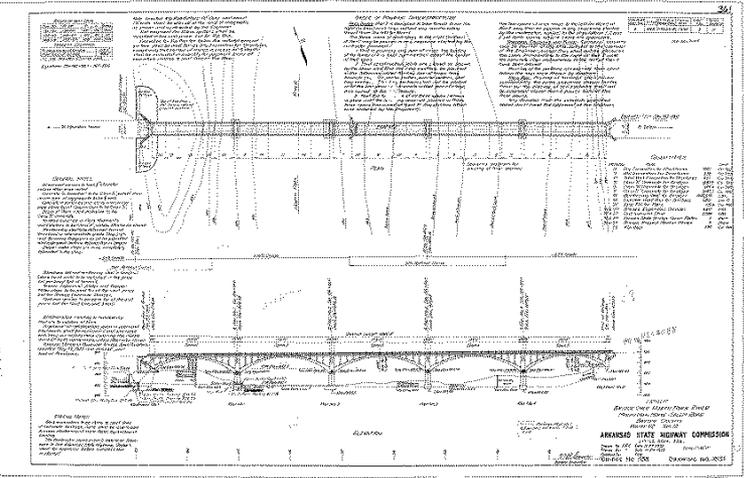
Scott D. Bennett

Director of Highways and Transportation

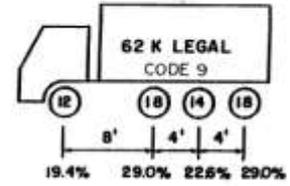
April 11, 2017

Date

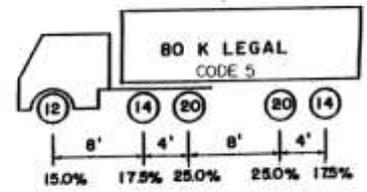
Bridge Design



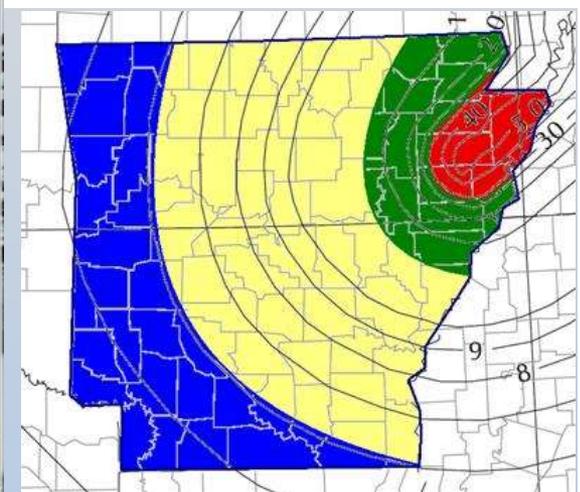
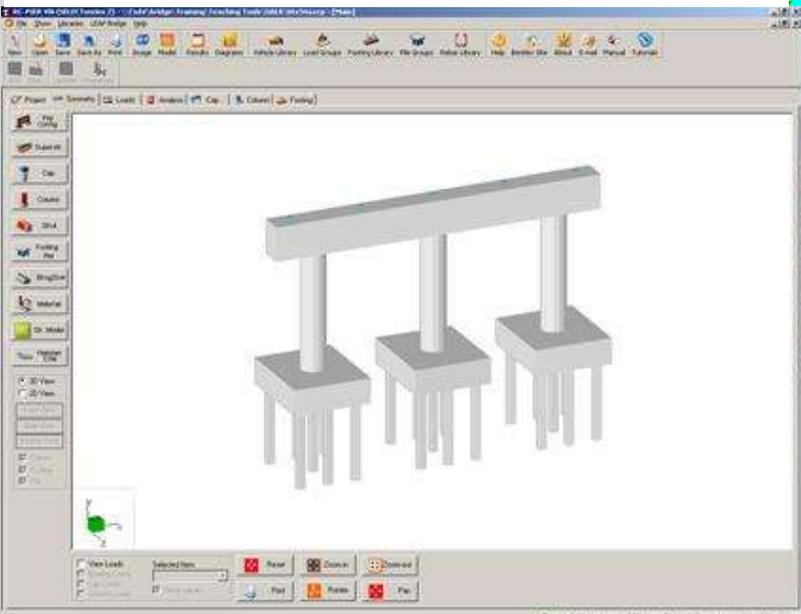
Code 4 Vehicle



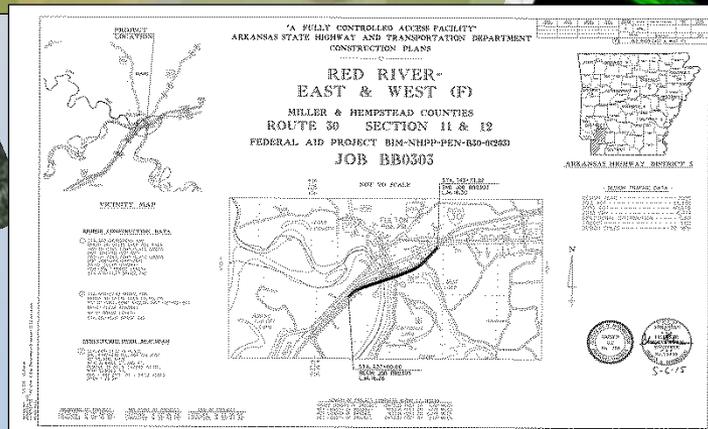
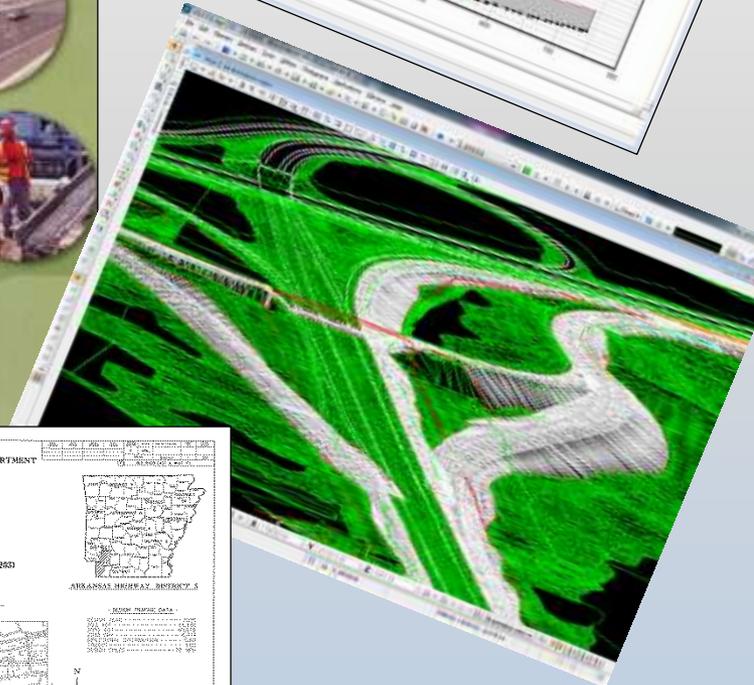
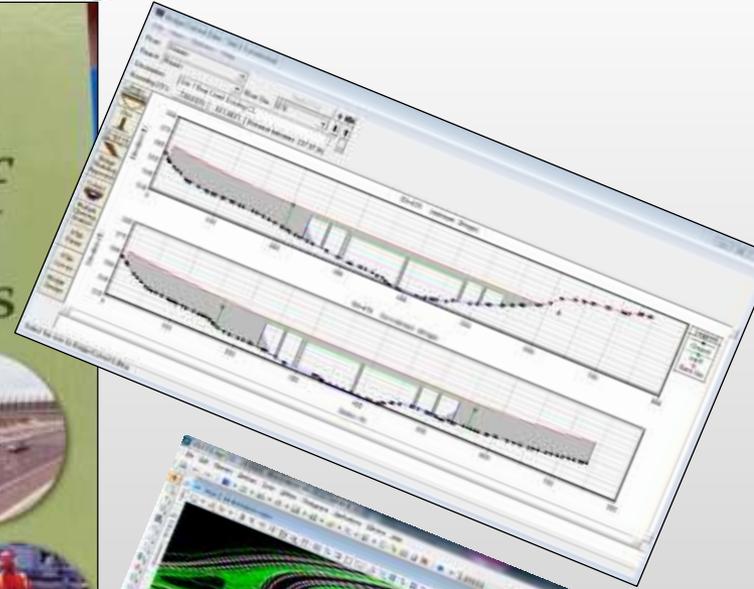
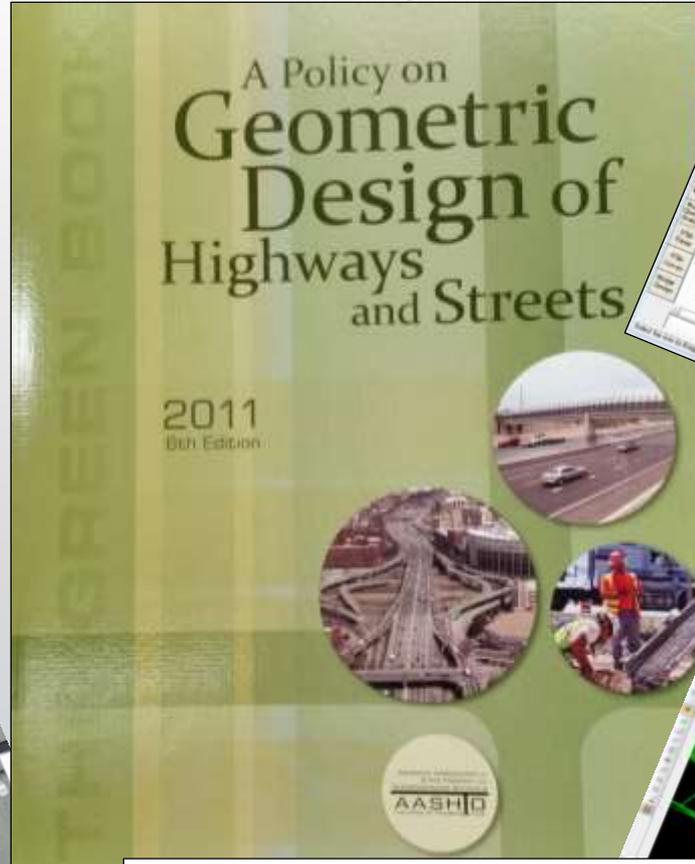
Code 9 Vehicle



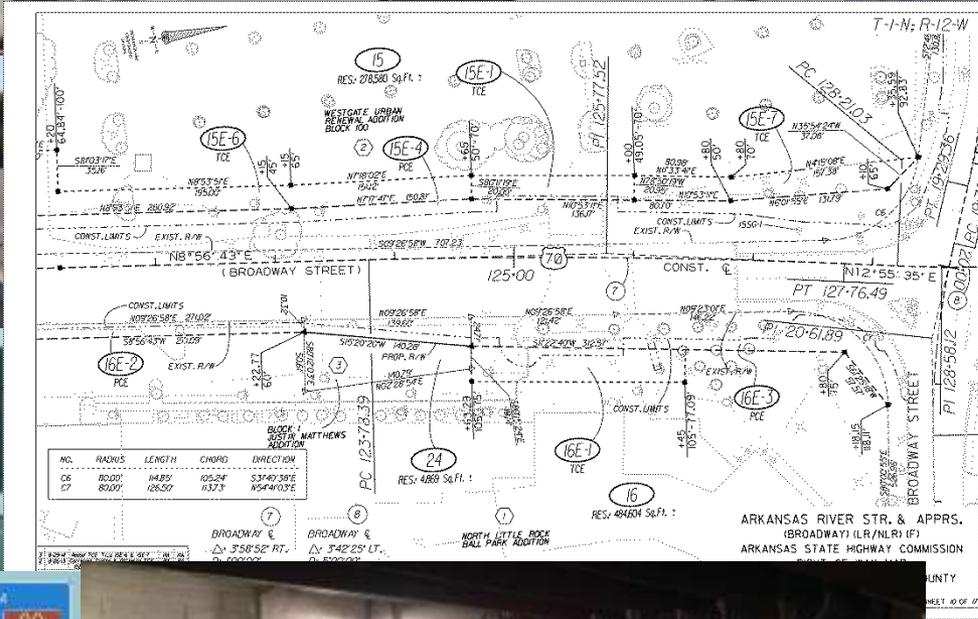
Code 5 Vehicle



Roadway Design

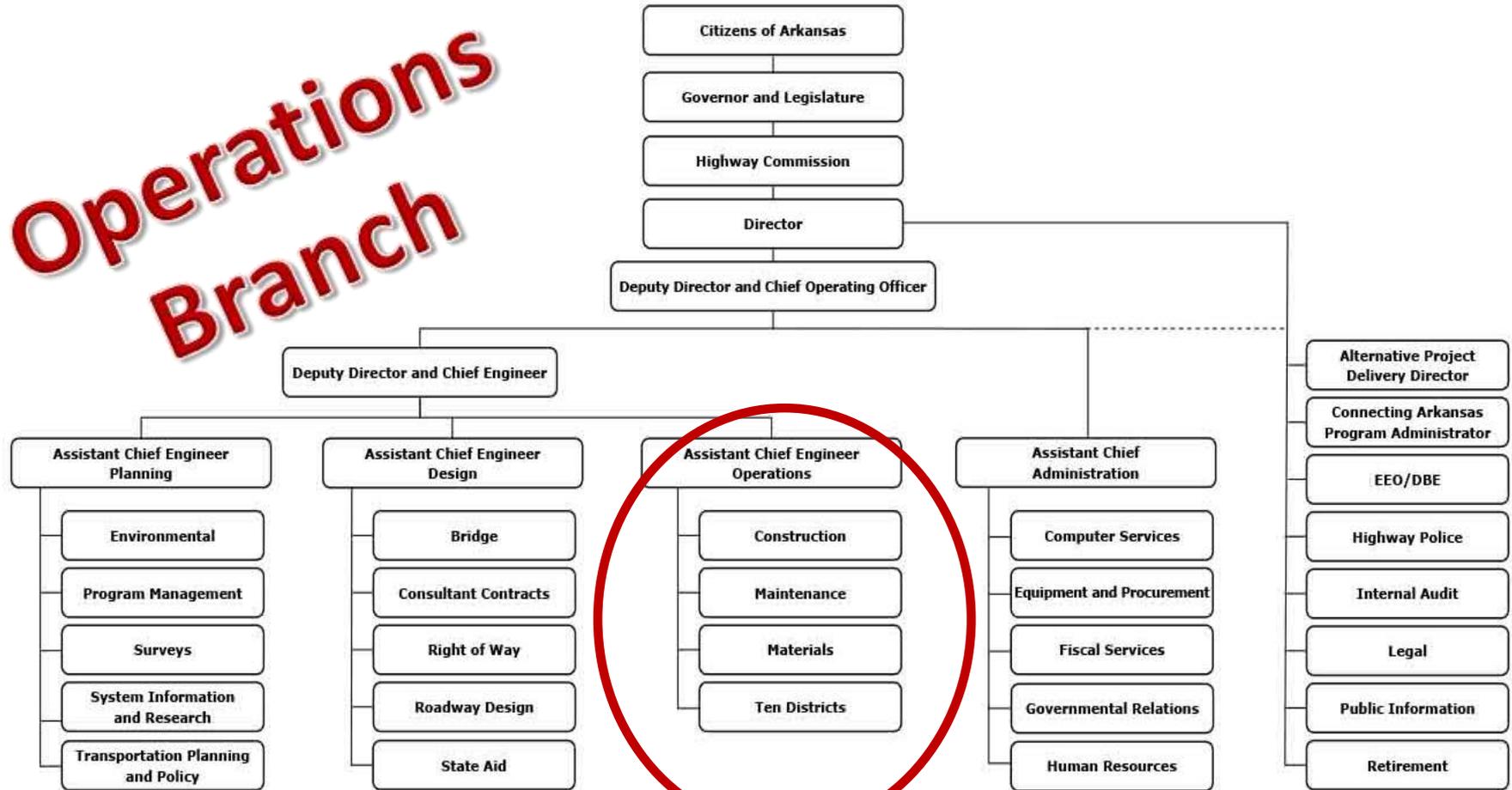


Right of Way



ARDOT Organization Chart

Operations Branch



Scott D. Bennett

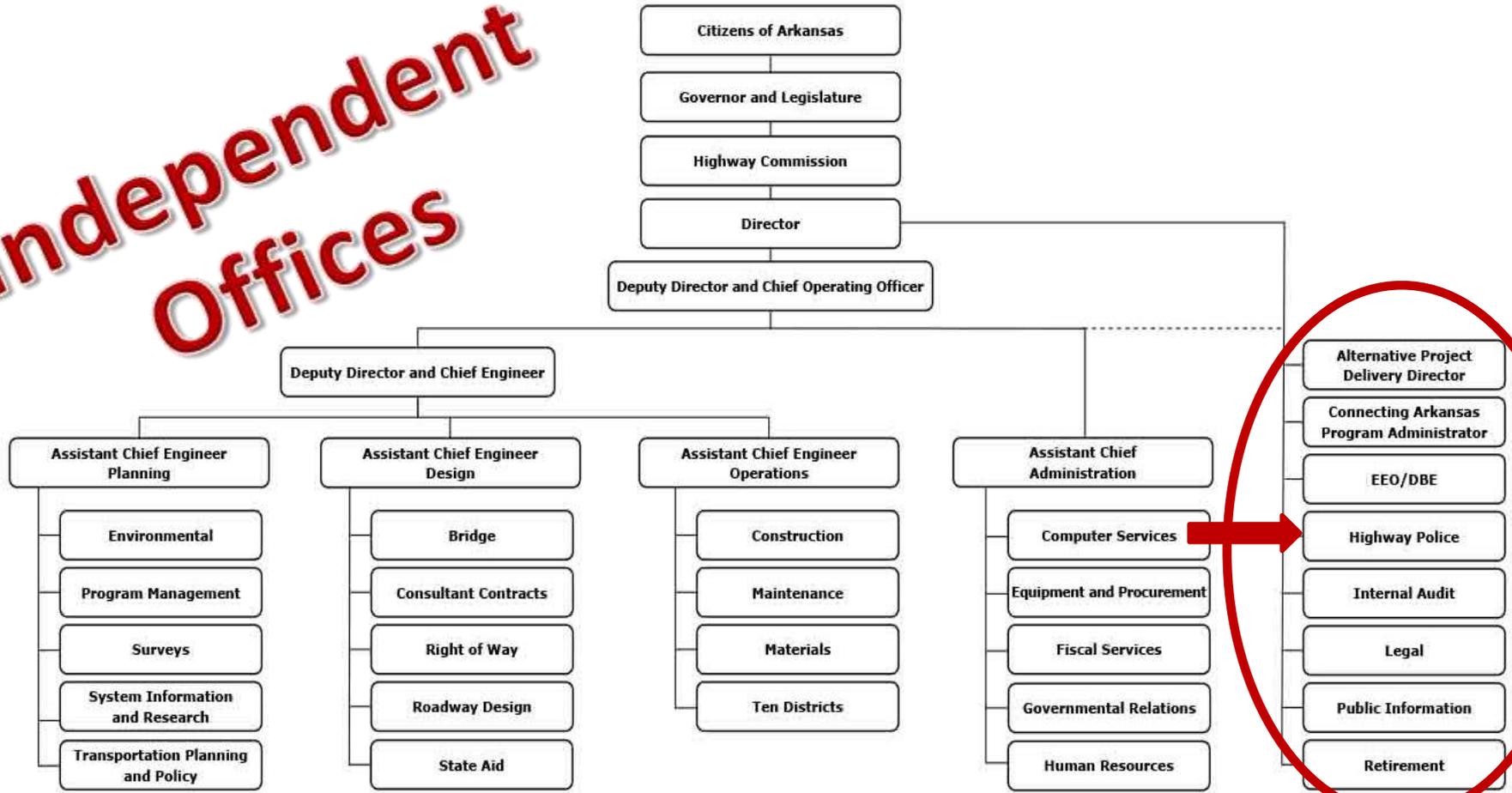
Director of Highways and Transportation

April 11, 2017

Date

ARDOT Organization Chart

Independent Offices



Scott D. Bennett

Director of Highways and Transportation

April 11, 2017

Date



Highway Police

Arkansas Highway Police



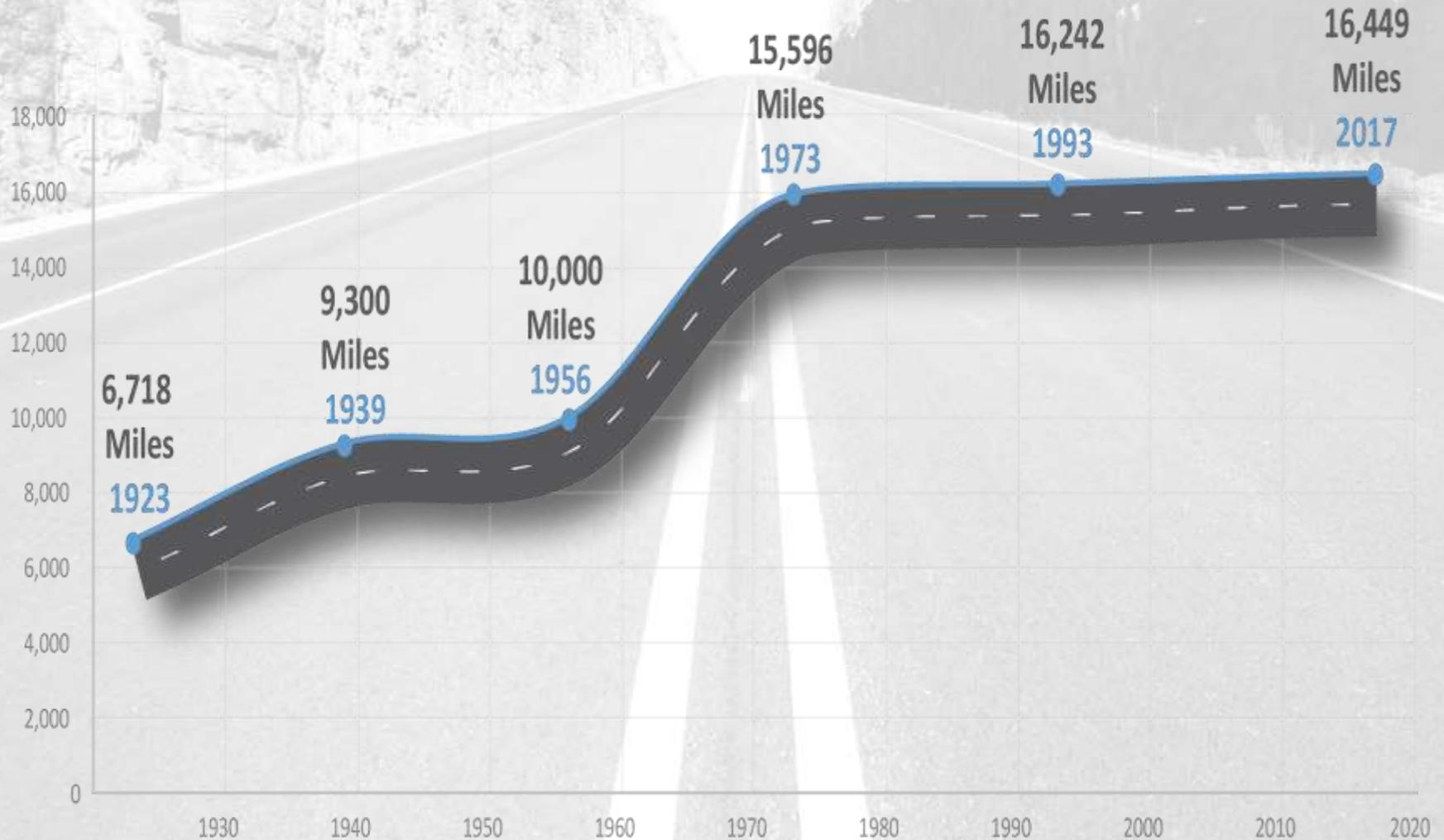




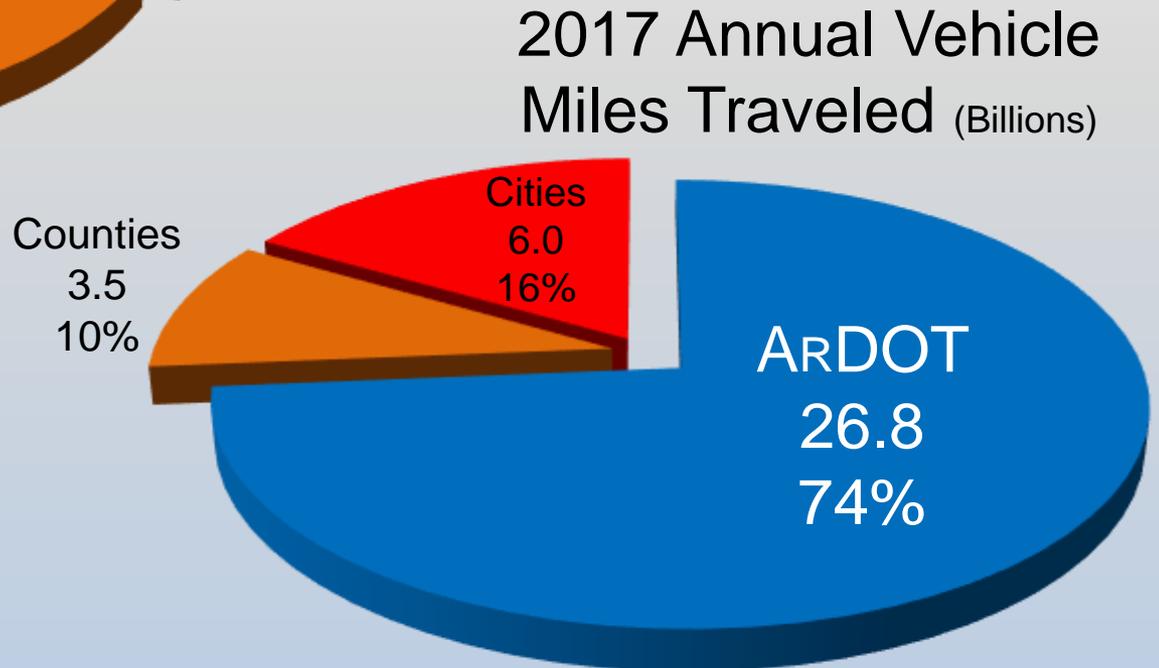
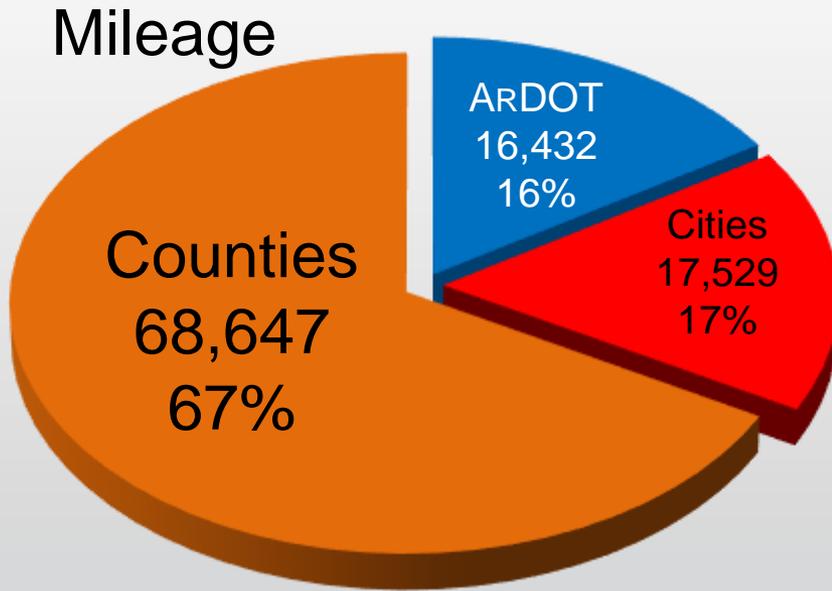


Highway System Traffic and Condition

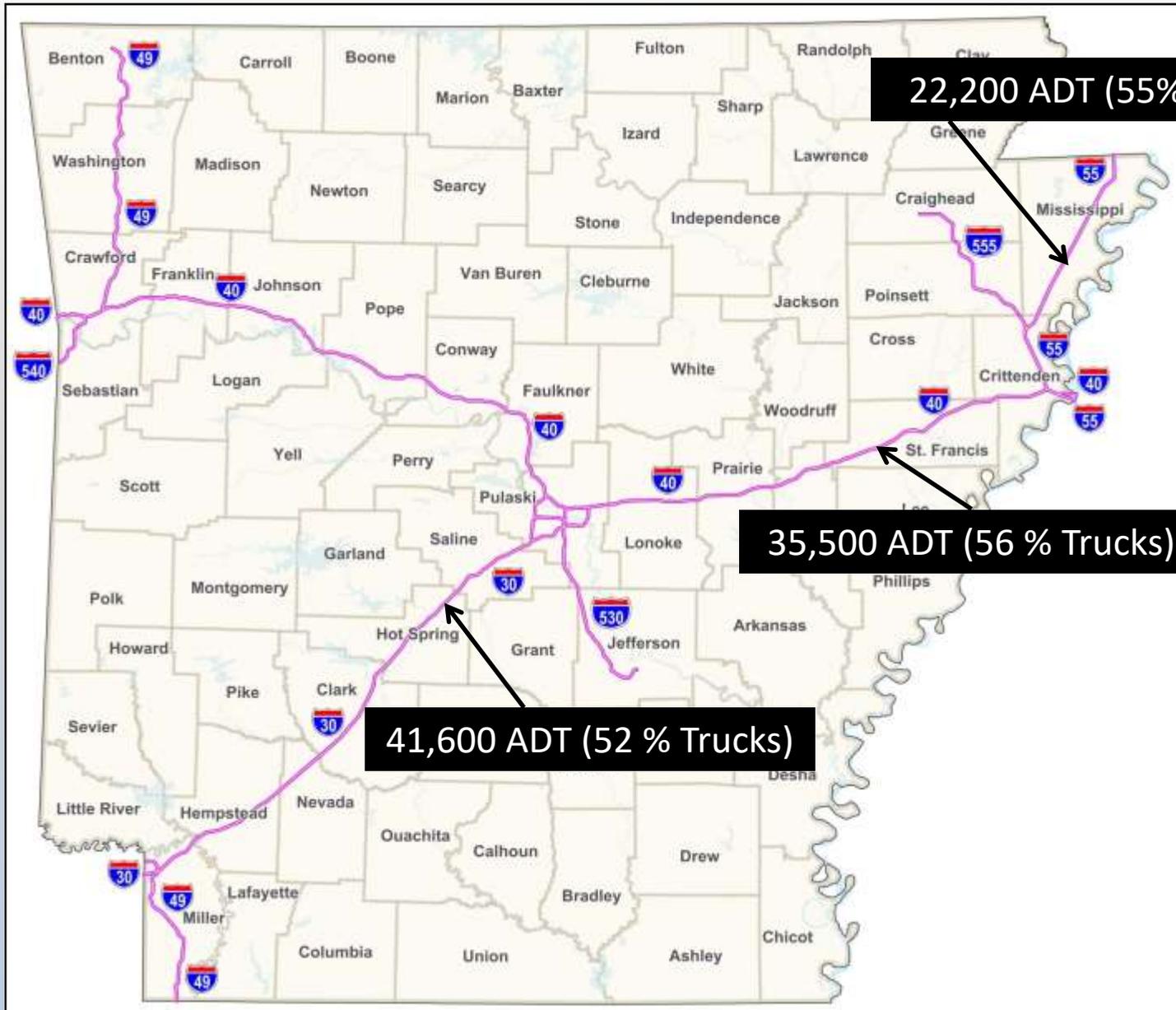
Growth of the Arkansas State Highway System



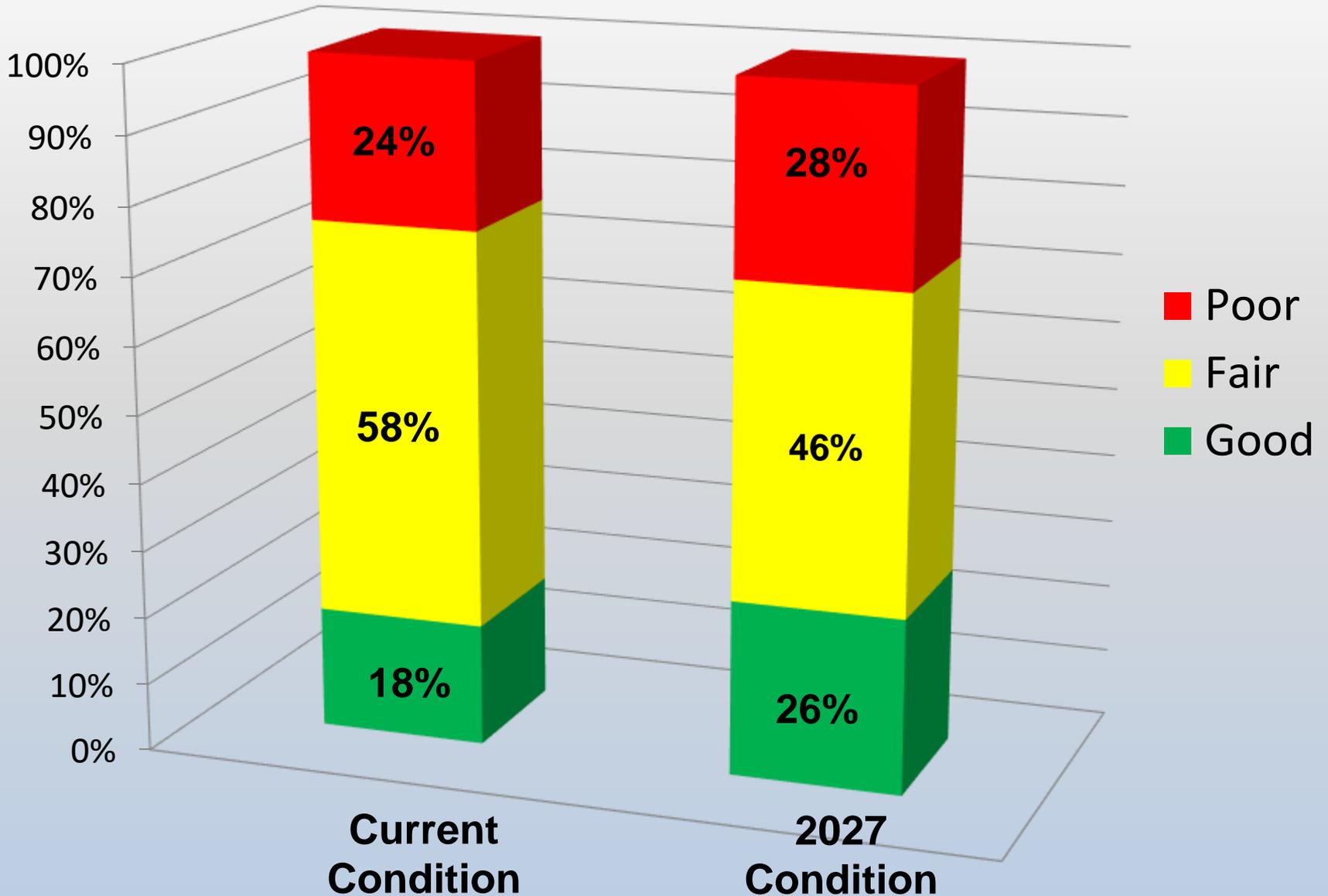
Distribution of Arkansas Miles



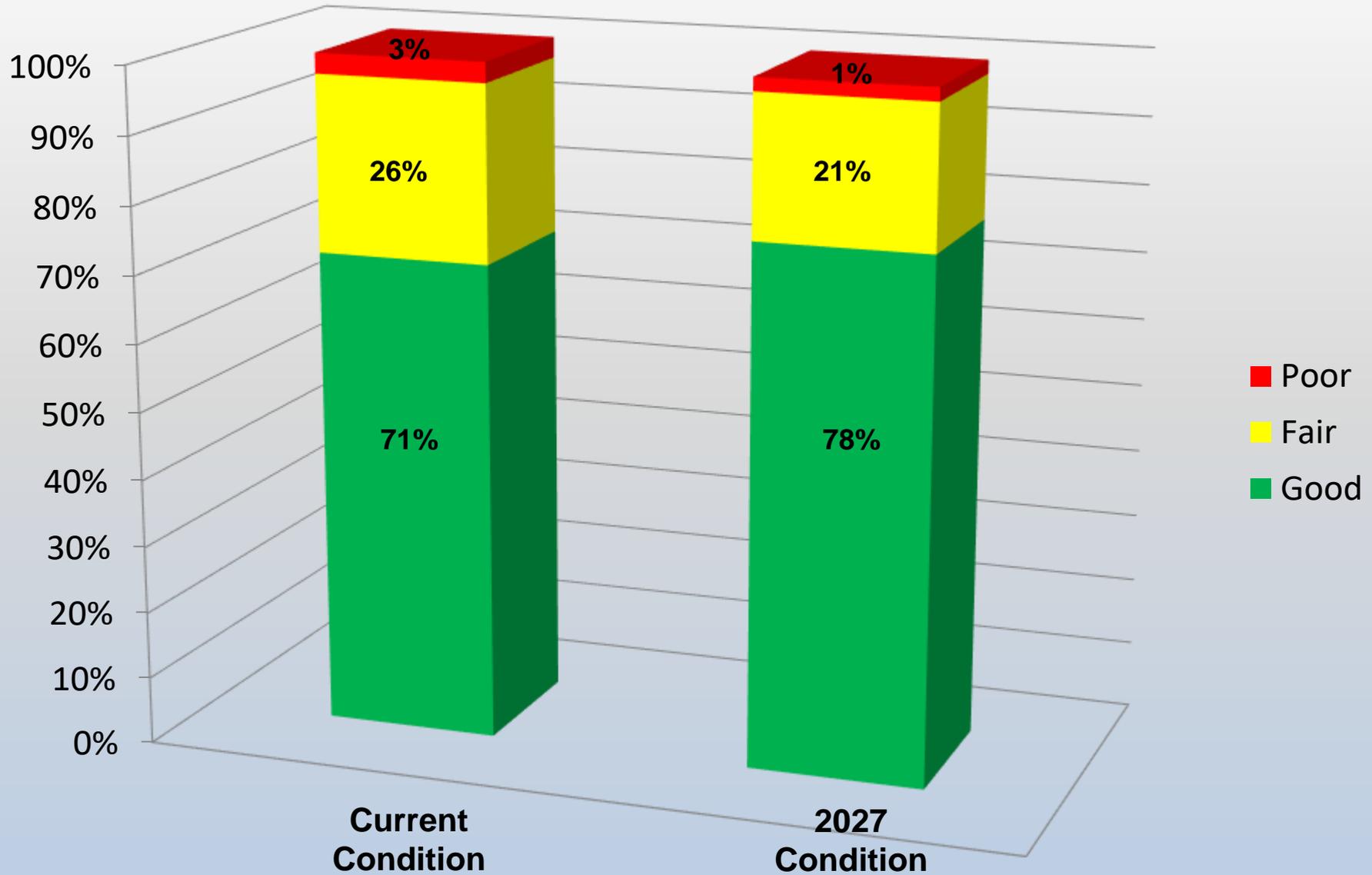
Arkansas Highway Traffic



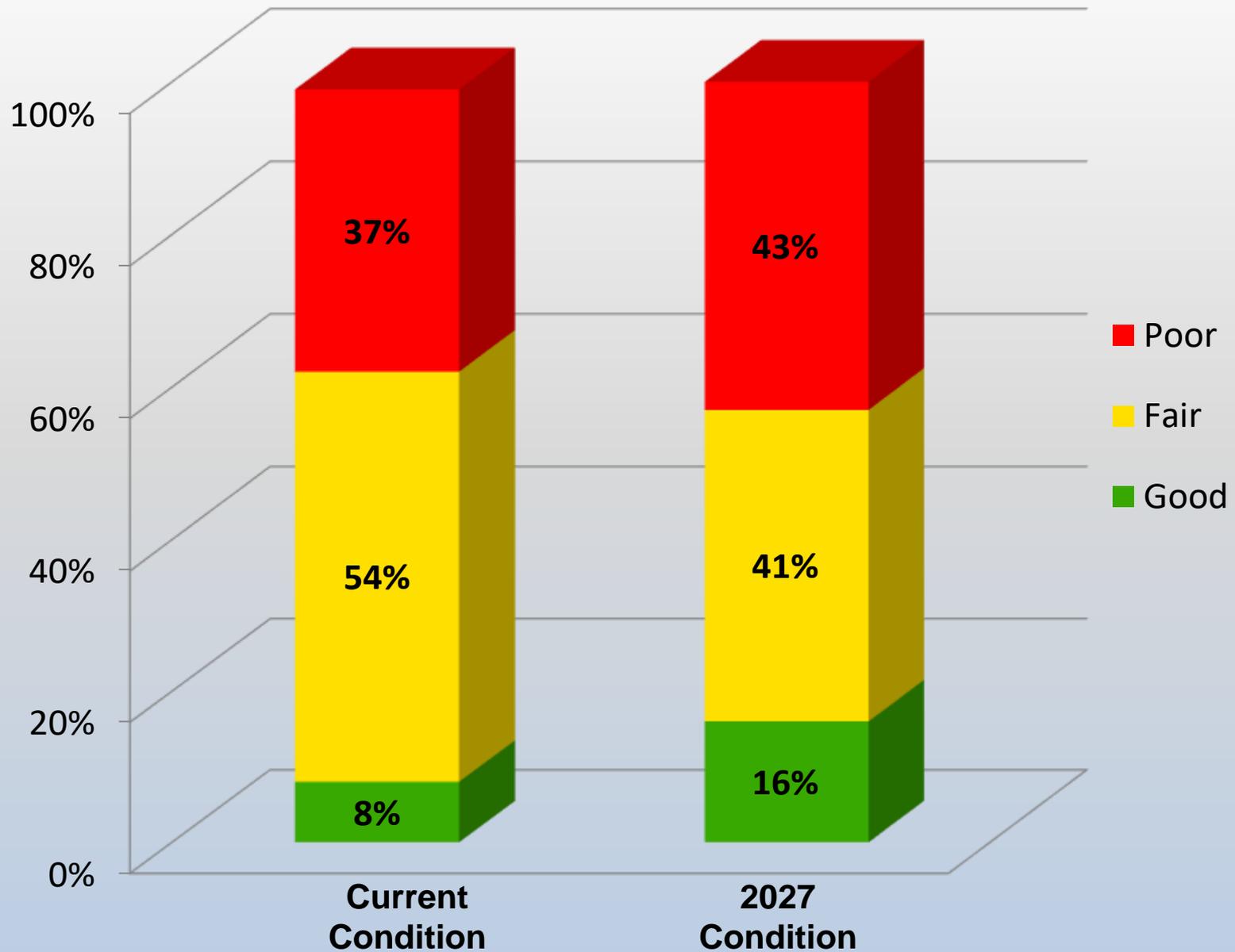
All State Highways – Including Interstates



Interstates



Other State Highways – Excluding Interstates





Funding Challenges

Challenges

- **12th** largest system in the country
 - **41st** in highway revenue per mile.
-

- **\$9.3 billion** in needs
- **\$4.5 billion** in available revenue

“This is a problem that we can’t leave for our children or grandchildren to solve.”

*~Arkansas Department of Transportation Director
Scott Bennett*



Pay a **Little** Now



Overlay
\$100,000
per lane mile

Pay a **Whole Lot** Later



Reconstruction
\$1,500,000
per lane mile

THEN

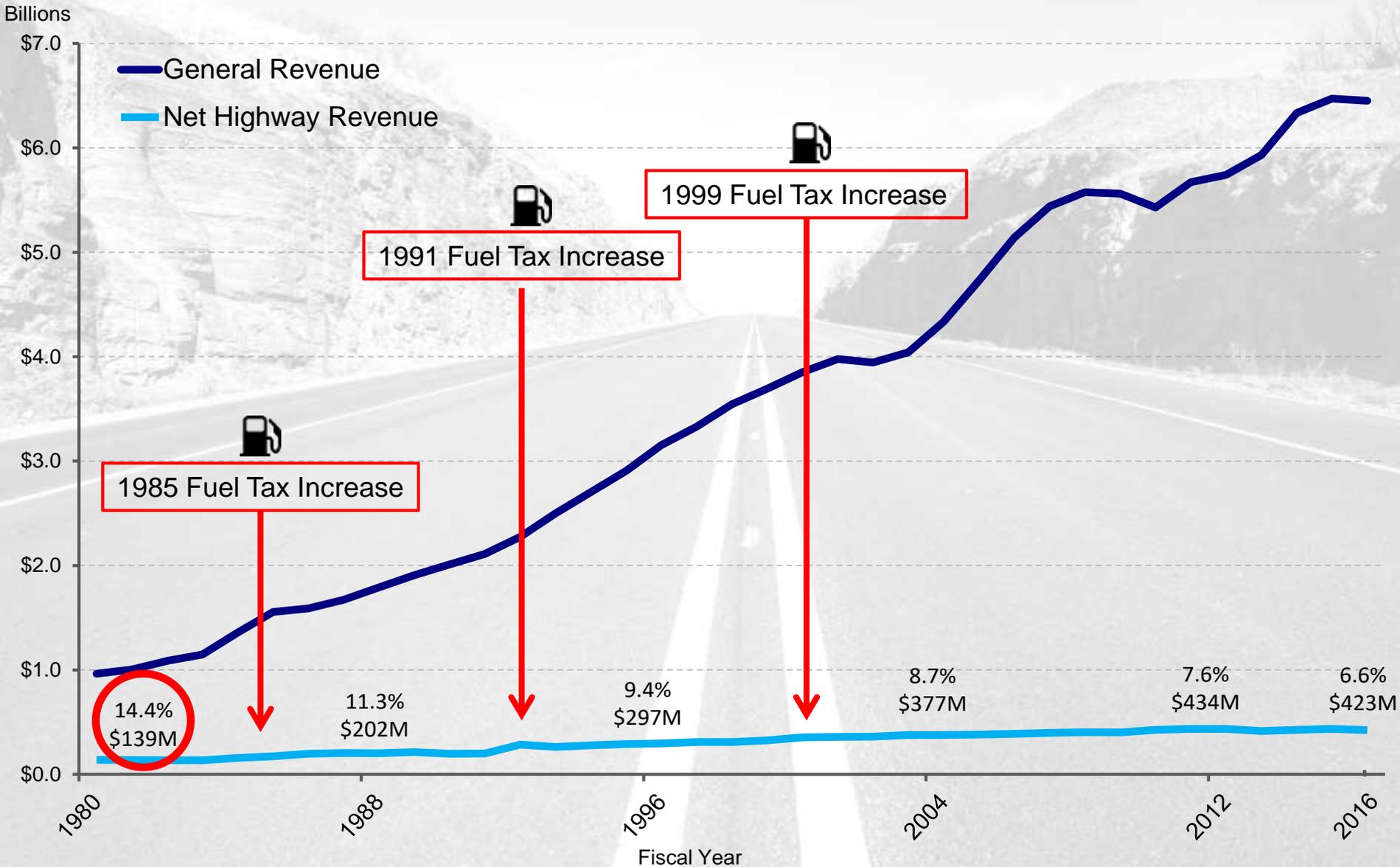
In 1995, **200 miles** of highway could be overlaid with \$10 million.

NOW

Using \$10 million today, only **54 miles** of highway can be overlaid.

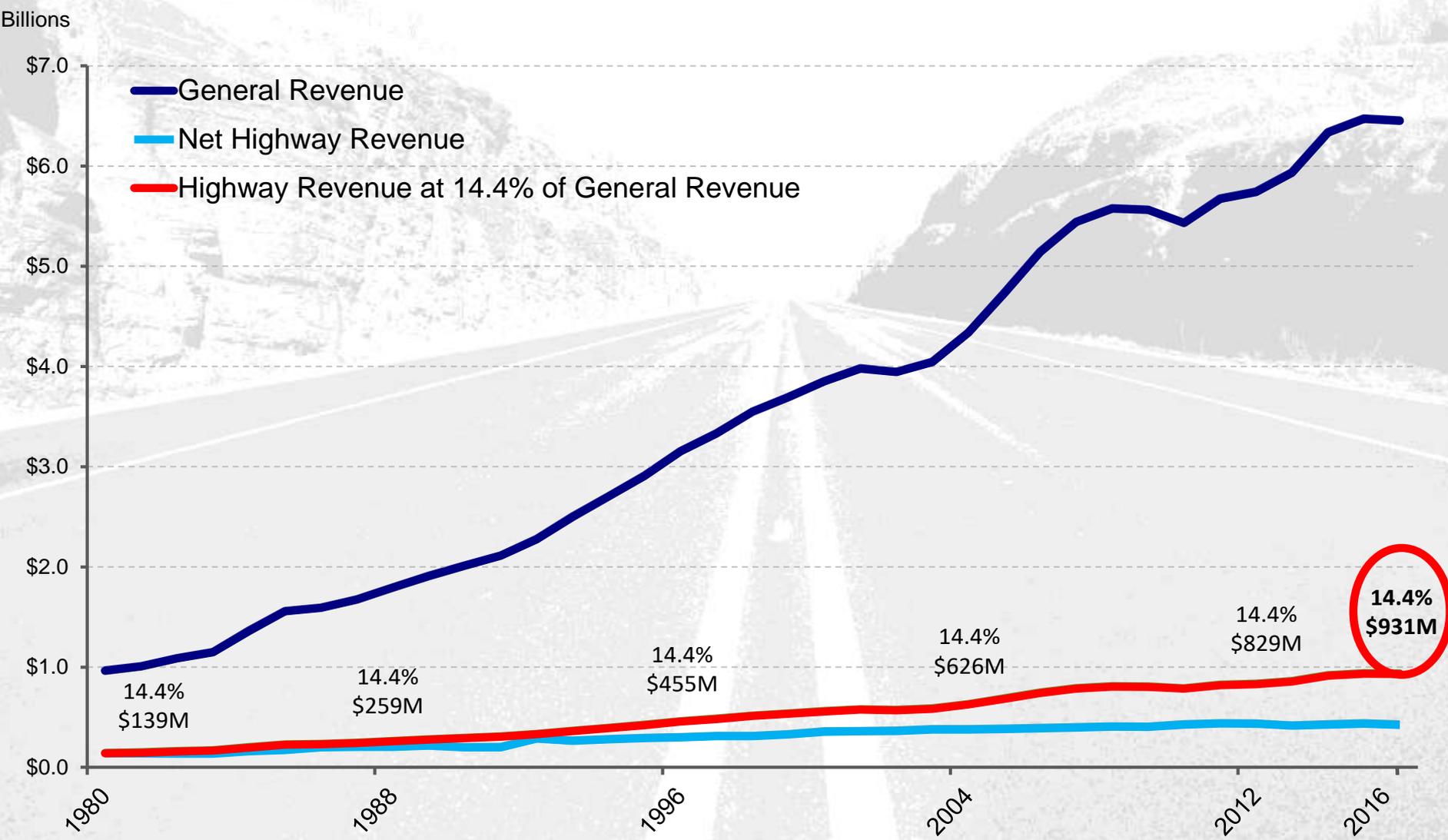


Percent of Highway vs. General Revenue



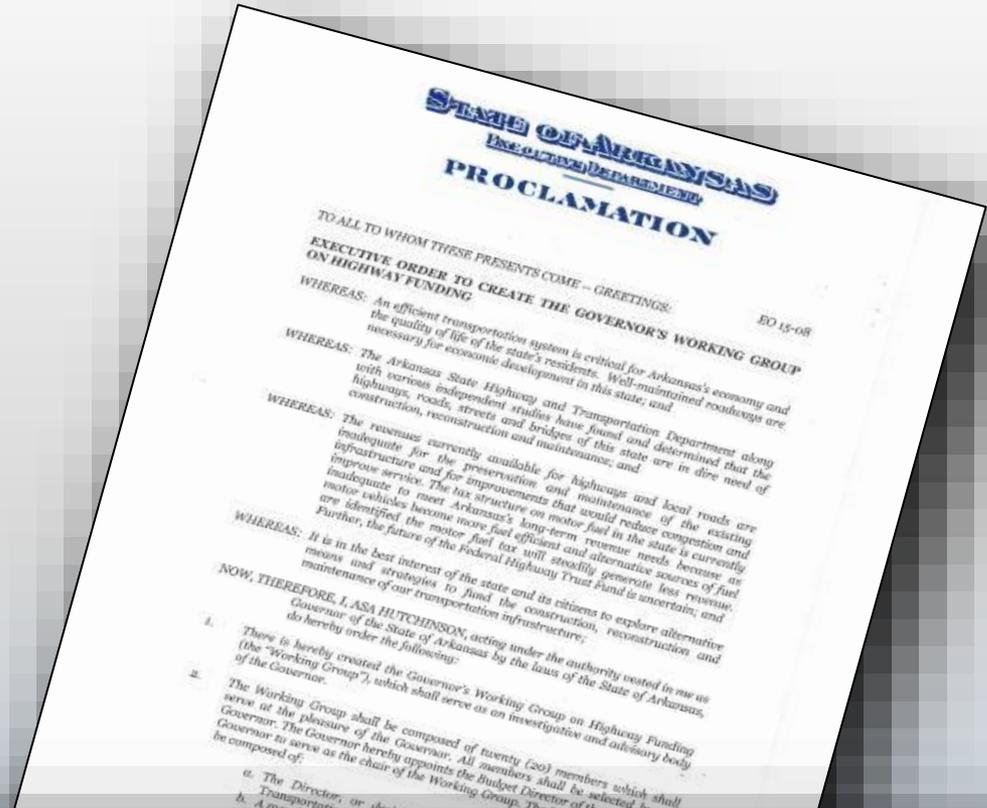
Excludes County & City Aid funds | Excludes CAP funds

Highway Revenue at 14.4% of General Revenue



Excludes County & City Aid funds | Excludes CAP funds

Fiscal Year



“An efficient transportation system is critical for Arkansas’ economy and the quality of life of the state’s residents.”

□ Funding Targets

- ✓ Immediate: \$ 50 Million
- ✓ Short-term (0-3 years): \$110 Million
- ✓ Mid-term (3-5 years): \$250 Million
- ✓ Long-term (6-9 years): \$400 Million

All figures are annual amounts for state highways.

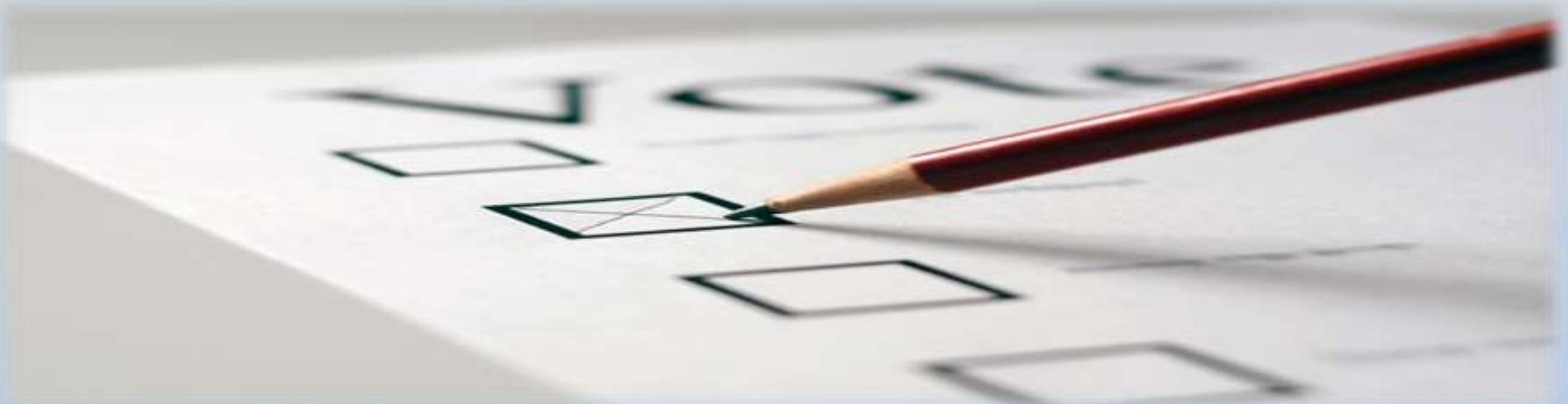


Exhibit III

Arkansas Department of Transportation (ARDOT) Summary of Annual State Funds Needed to Meet Proposed Highway Construction Plan Over a 10-Year Period

Description	Annual Funds Needed for Highway Construction Plan	Annual Funds Available for Highway Construction	Additional Annual State Revenues Needed for Highway Construction Plan
System Preservation			
Pavement	\$ 387,000,000	\$ 137,000,000	\$ 250,000,000
Bridges	117,000,000	90,000,000	27,000,000
Total System Preservation	504,000,000	227,000,000	277,000,000
Capacity Relief	305,000,000	157,000,000	148,000,000
Safety Improvements	86,000,000	44,000,000	42,000,000
Maintenance			
Equipment upgrades	19,000,000	19,000,000	
Facilities upgrades	8,000,000		8,000,000
Intelligent Transportation System (ITS)	3,000,000		3,000,000
Total Maintenance	30,000,000	19,000,000	11,000,000
Totals	\$ 925,000,000	\$ 447,000,000	\$ 478,000,000

\$ 478,000,000



Note: Amounts shown are rounded.



Recent Legislation

Governor Hutchinson's Four T's:

- Tax Cuts
- Transformation
- Teacher Pay
- Transportation



Governor Hutchinson's Highway Package

Two Bills

Four Revenue Sources

\$300 Million Per Year



Motor Fuel Taxes

1.6% Tax On Wholesale Price of Gas
(equals 3 cents per gallon)

2.9% Tax On Wholesale Price of Diesel
(equals 6 cents per gallon)



Motor Fuel Taxes

Results in **\$86 Million** in Additional Annual Revenue

\$58 Million to ARDOT

\$14 Million to Cities and Counties Each

“And we feel like we would like to invest and spend money to make the roads better so that they are safer, so that they are easier on the equipment, so that the volume of traffic can move more freely. The benefit of those things outweighs any increased costs.”

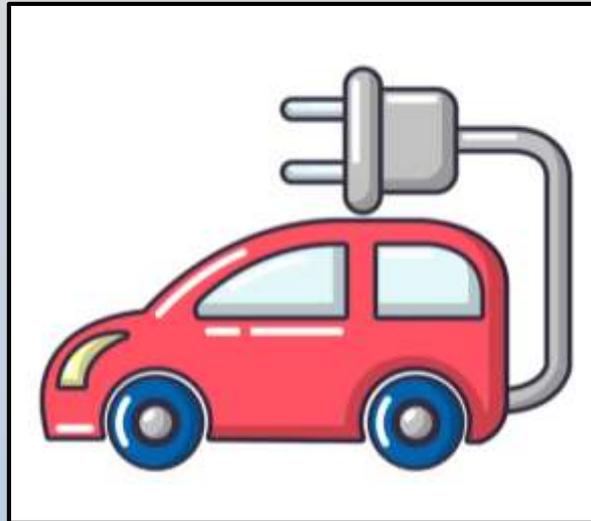
– Shannon Newton, Arkansas Trucking Association President

Electric and Hybrid Vehicle Registration Fees

Electric Vehicles - \$200 Registration Fee

Hybrid Vehicles - \$100 Registration Fee

\$2 Million to ARDOT



Casino Revenue

All New Casino Revenue

\$35 Million Annually to ARDOT



Act 416 Summary

Motor Fuel Tax

\$ 58 Million

Electric and Hybrid Vehicle Registration Fees

\$ 2 Million

Casino Revenue

\$ 35 Million

Total to ARDOT

\$ 95 Million



Act 416 Summary

Motor Fuel Tax	\$ 58 Million
Electric and Hybrid Vehicle Registration Fees	\$ 2 Million
Casino Revenue	<u>\$ 35 Million</u>
Total to ARDOT	\$ 95 Million

***All for System Preservation,
Pavements, Bridges, etc.***

Proposed Constitutional Amendment

- To Be Voted On In General Election – November 2020
- ½-Cent Sales Tax Permanent After 2023
- Continues To Provide **\$205 Million** To ARDOT Annually
- Continues To Provide **\$43 Million** To Cities Annually
- Continues To Provide **\$43 Million** To Counties Annually

Summary

Act 416

\$ 95 Million

House Joint Resolution 1018

\$205 Million

Total To ARDOT

\$300 Million



Recipe for Success

- Consensus
- Unity
- Bipartisanship
 - ✓ Governor
 - ✓ Legislature
 - ✓ Stakeholders
 - ✓ ARDOT





2020-2023 Program

2020 Scheduled

Type Work	Amount (x \$1 M)
Widening / New Location	\$ 370
Pavement Preservation	\$ 214
Bridges	\$ 111
Safety	\$ 49
Other	\$ 0
Total	\$ 744



2021 Scheduled

Type Work	Amount (x \$1 M)
Widening / New Location	\$ 178
Pavement Preservation	\$ 274
Bridges	\$ 102
Safety	\$ 33
Other	\$ 0
Total	\$ 587



2022 Scheduled

Type Work	Amount (x \$1 M)
Widening / New Location	\$ 203
Pavement Preservation	\$ 282
Bridges	\$ 113
Safety	\$ 33
Other	\$ 0
Total	\$ 631



2023 Pavement Preservation

2023 - **\$290** Million





Other Legislation

Speed Limit Changes

- Changes speed limits in some areas to 75mph
- Brings back differential speed limits
 - 75mph for cars & 70mph for commercial vehicles over 26,000 lbs



Autonomous Vehicles

- Allows Highway Commission to adopt rules for and approve pilot programs
- No more than 3 autonomous vehicles can be operated simultaneously under any pilot program





**General Election
November 2020**

Turnback to Cities

2023 - \$156 million

2024 - \$113 million

Nearly a 30% Reduction



Turnback to Counties

2023 - \$156 million

2024 - \$113 million

Nearly a 30% Reduction

Funding to ARDOT

Act 416

\$ 95 Million

House Joint Resolution 1018

\$205 Million

Total to ARDOT

\$300 Million





Your
TRANSPORTATION SYSTEM



Questions?