

# State of the State Highway System

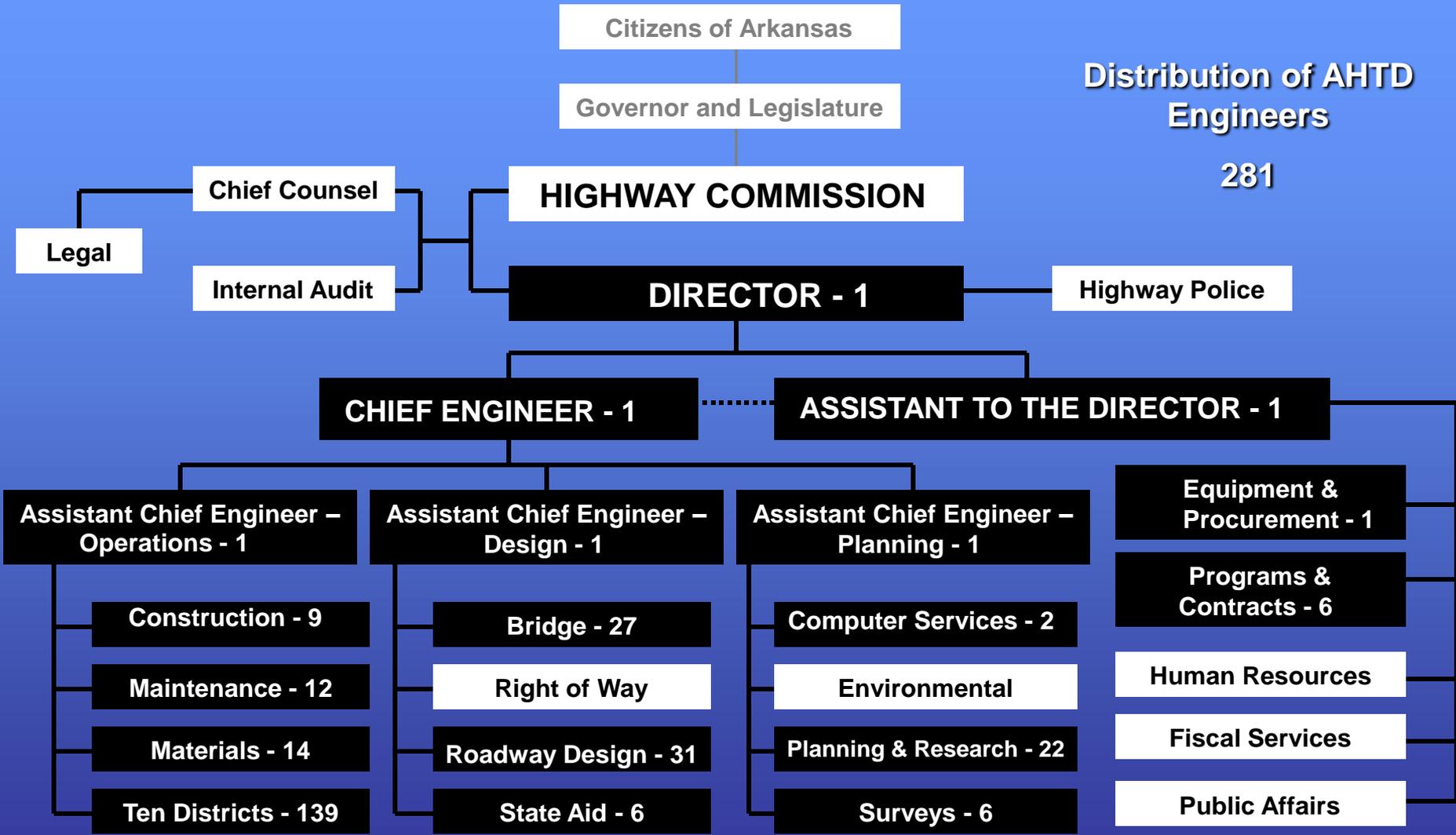


**ASCE Day of Training  
March 6, 2012**

# Distribution of Engineers

Distribution of AHTD  
Engineers

281



# Condition and Needs



# Size of Highway Systems

**Arkansas 16,438 miles**

(Arkansas ranks 12<sup>th</sup> nationally)

- Illinois 16,161 miles
- California 15,225 miles
- New York 15,033 miles
- Tennessee 13,793 miles
- Florida 12,069 miles

# Revenues for Highway Systems

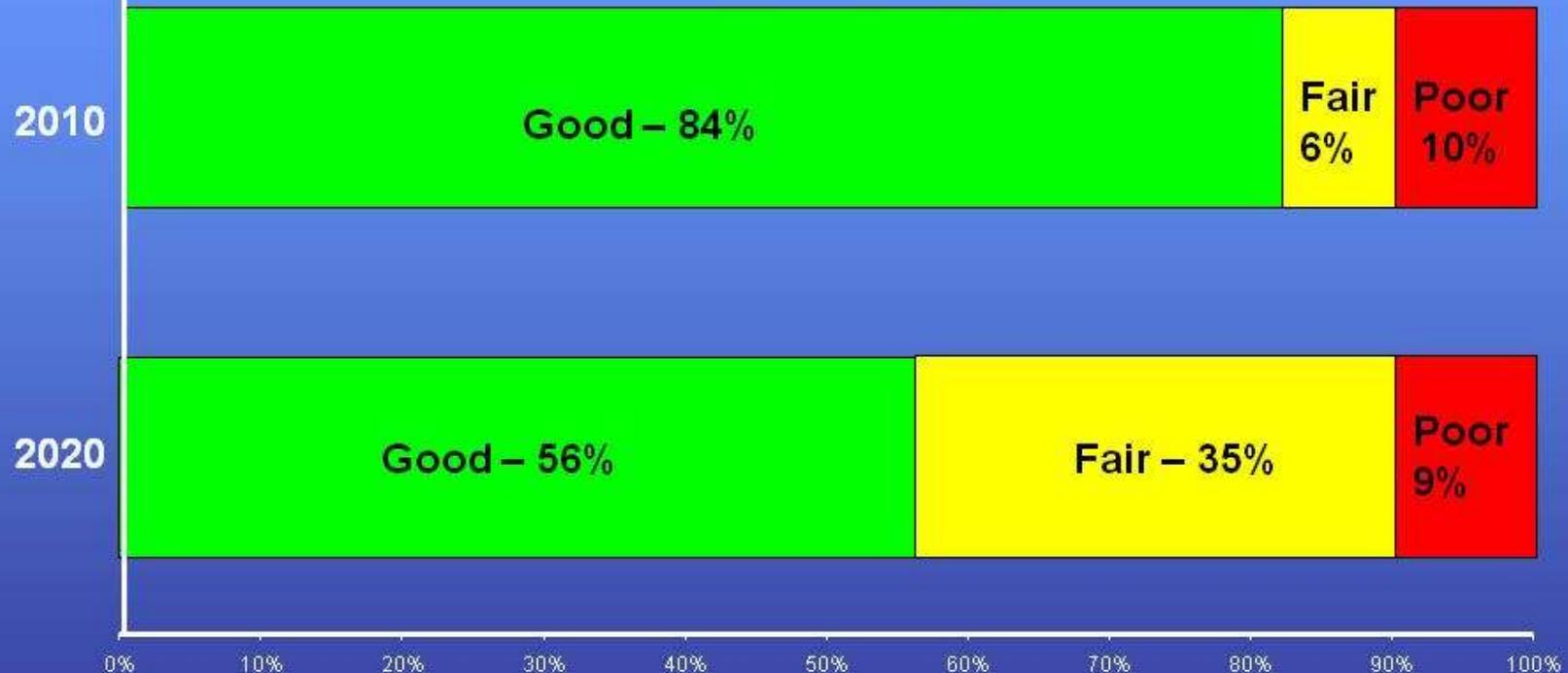
**Arkansas - \$58,356 per  
mile**

(Arkansas ranks 41<sup>st</sup> nationally)

- California      \$682,000/mile
- Florida          \$517,000/mile
- Illinois          \$252,000/mile
- New York        \$237,000/mile
- Tennessee      \$108,000/mile

# Roadway Conditions in Arkansas

## Entire State Highway System - 2010



Assumes spending will continue at same level as historical spending for system preservation.

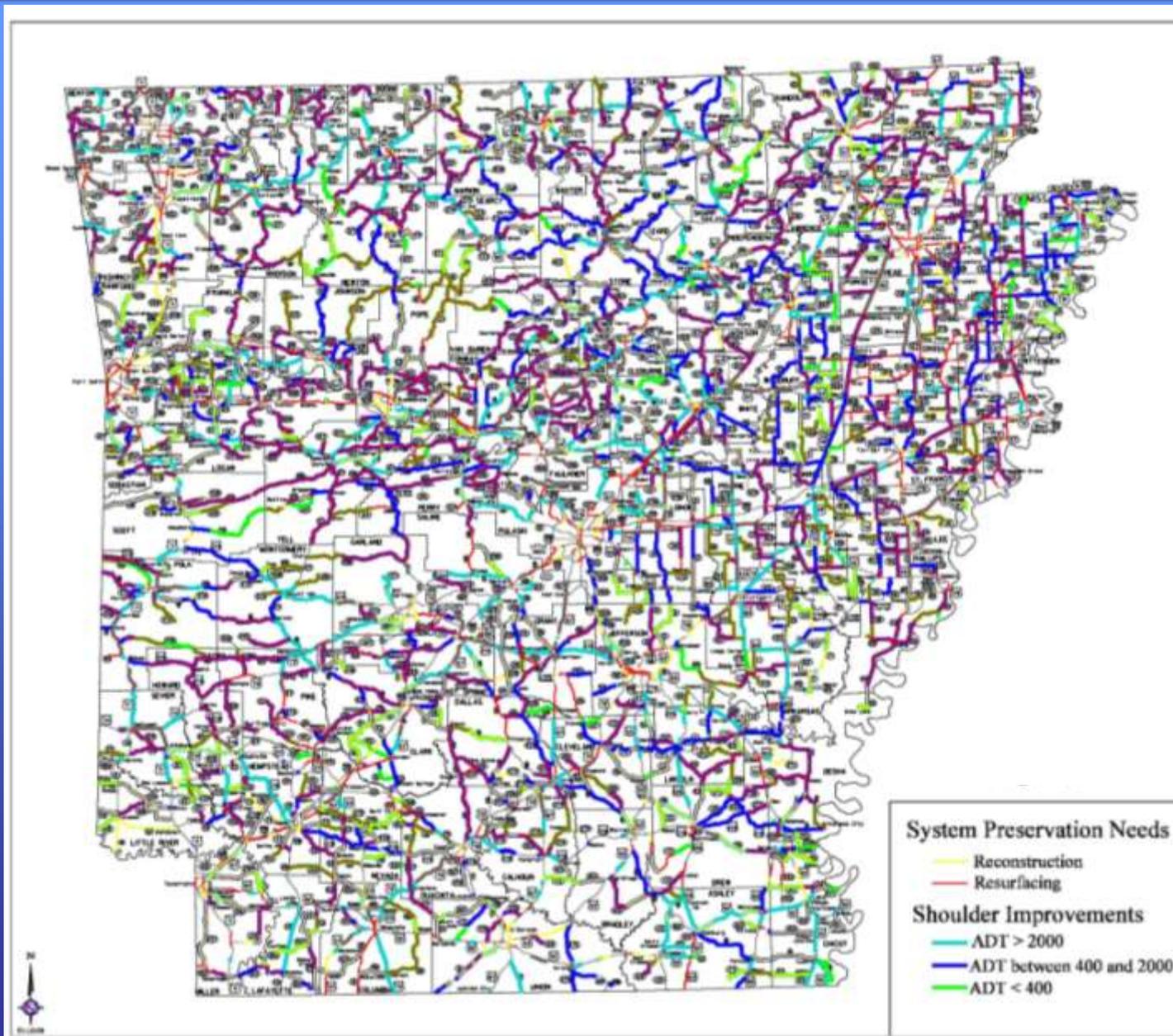


# Needs Studies

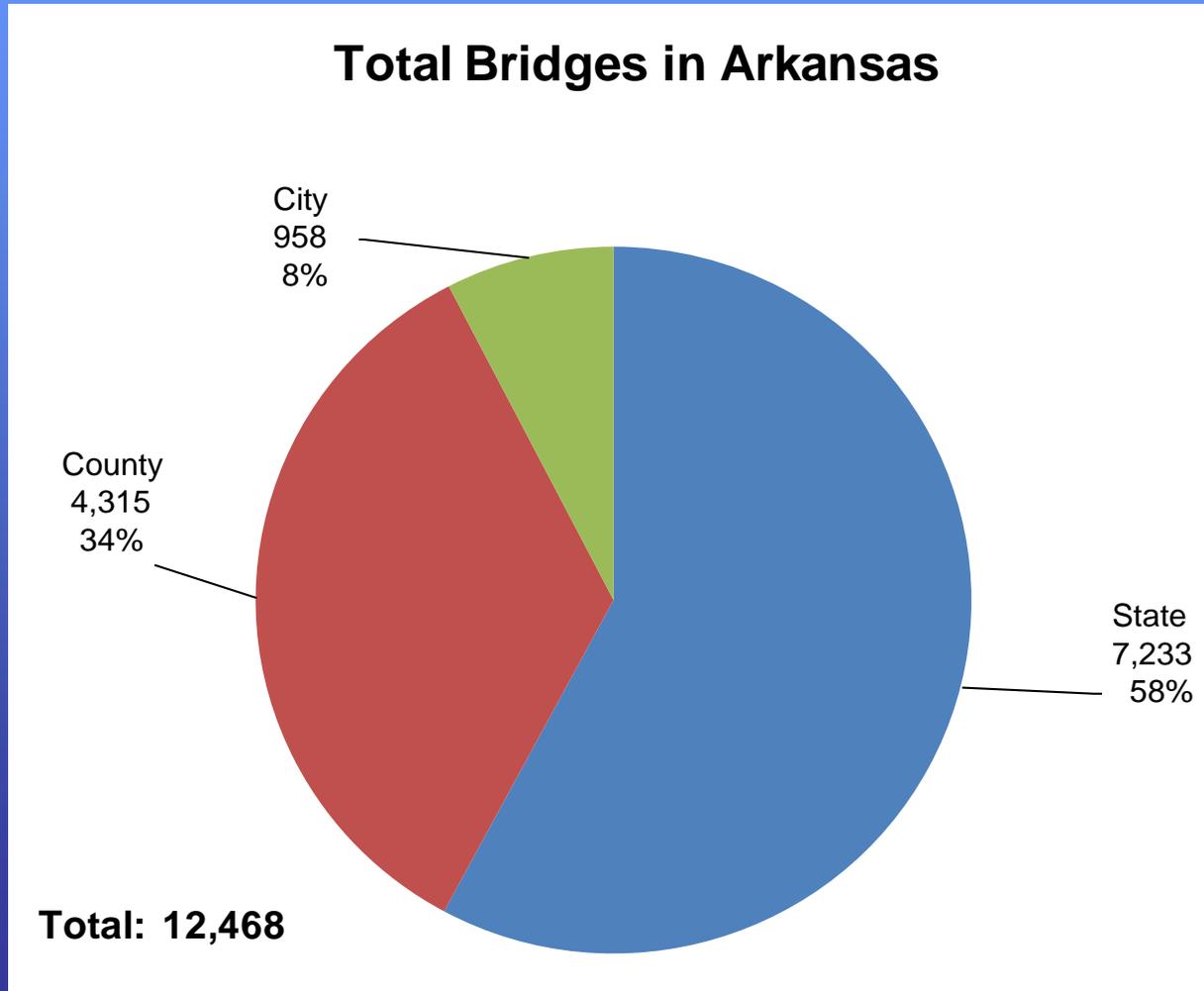
## Four Main Categories

- System Preservation Capacity
- Congressionally Designated
- High Priority Corridors
- Economic Development Connectors

# Roadway Conditions in Arkansas



# Total Bridges in Arkansas (12,506 Total)



# Arkansas' Bridge Inspection Program

- A National Bridge Inspection Program monitored by the FHWA.
- Department has 40 full-time bridge inspection staff members.
- All bridges are inspected at least every two years.
- Can inspect 20-30 bridges per day statewide.
- Major bridges take multiple days to inspect.
- Consider information on structural elements, erosion of supports, alignment of roadway, and other factors.

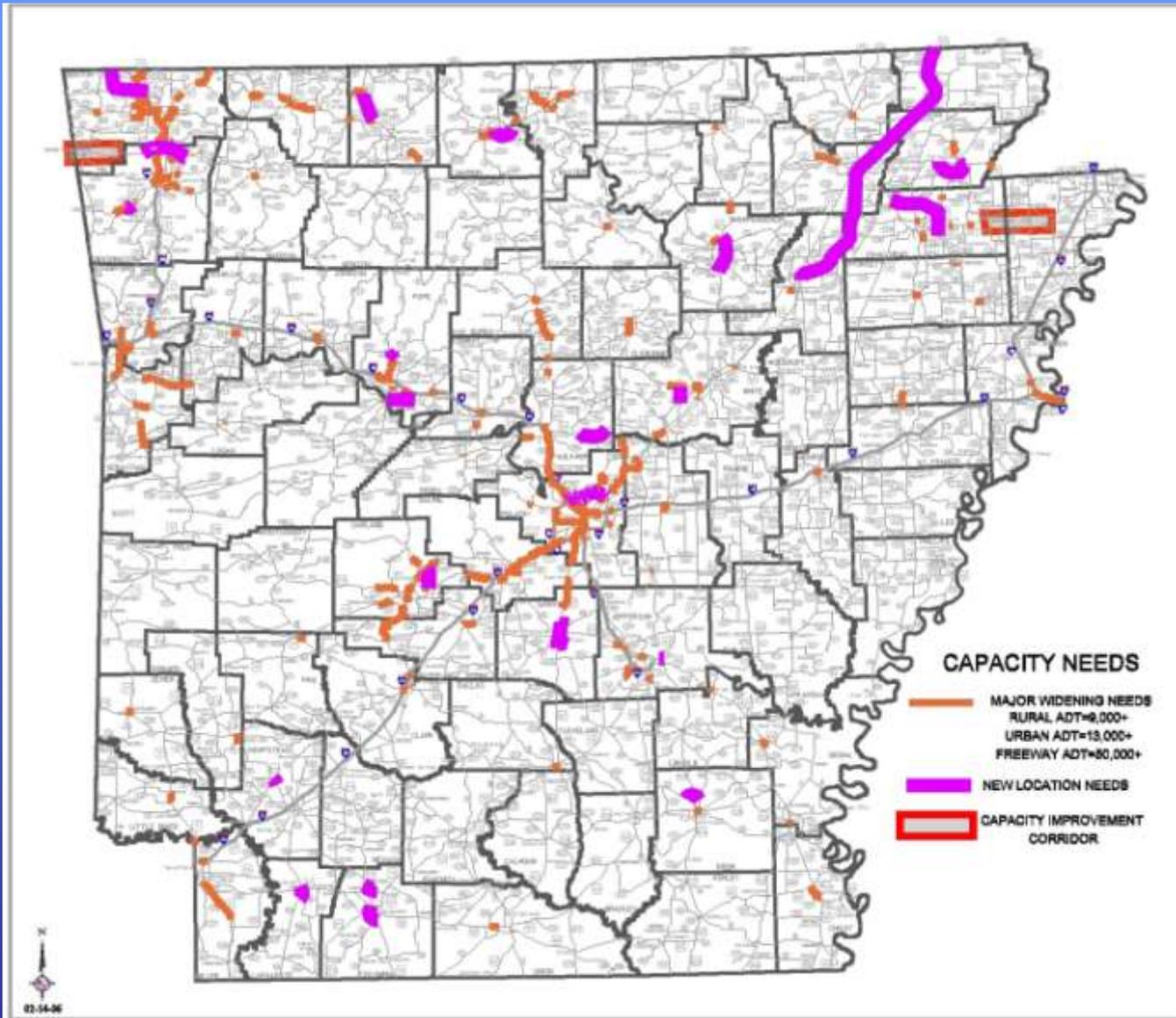


# Bridge Conditions

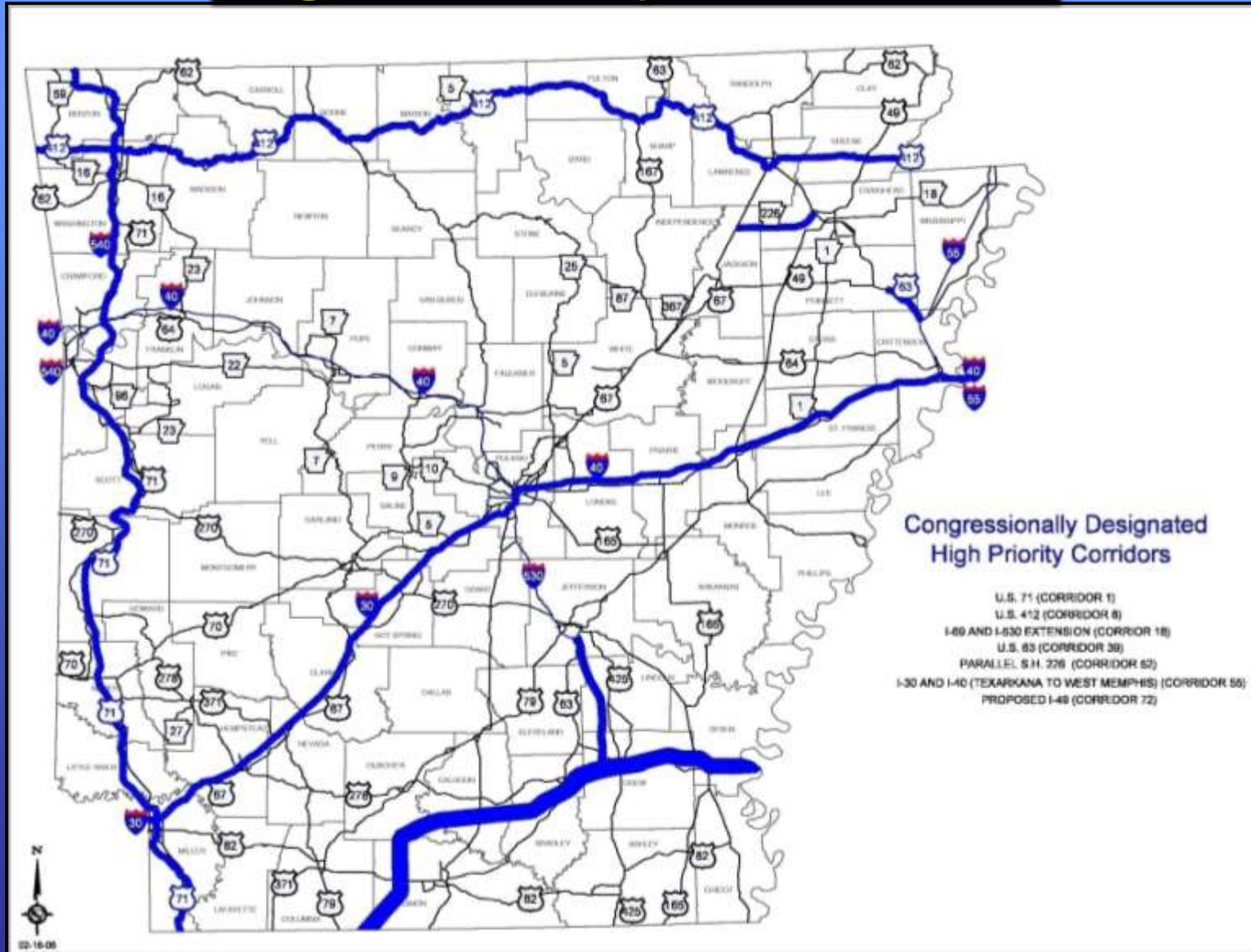
- 7,233 bridges on Arkansas Highways
  - 4% are Structurally Deficient – compared to 10% nationwide
  - 11% are Functionally Obsolete – equals the national average
  - Percentages higher in cities, counties



# Capacity Needs

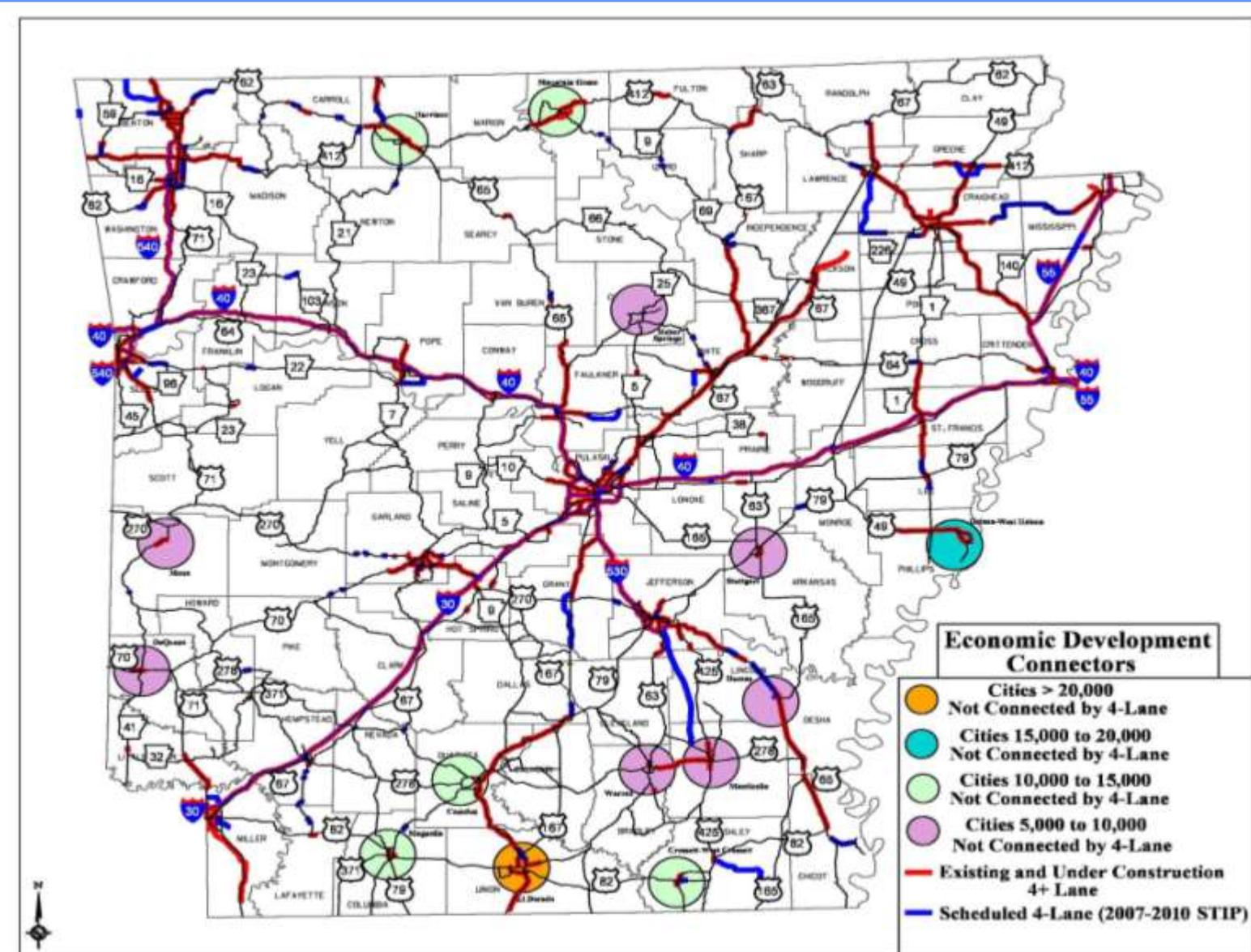


# Arkansas' Congressionally-Designated High Priority Corridors



# Economic Development Connectors

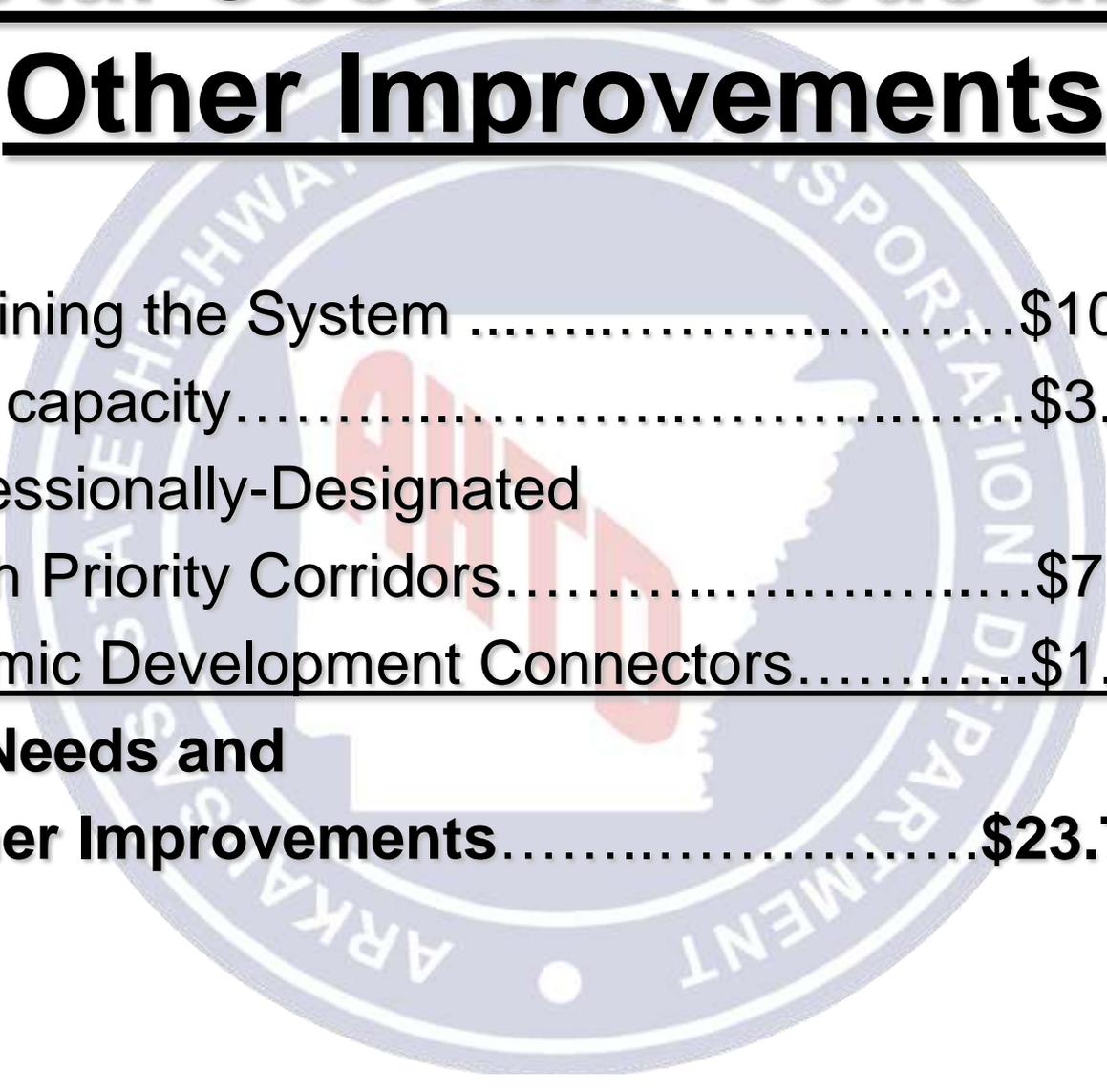
Population 5,000+



NOTE: SPECIFIC ROUTES FOR ECONOMIC DEVELOPMENT CONNECTORS TO BE DETERMINED BY APPROPRIATE PLANNING STUDIES



# Total Cost for Needs and Other Improvements



Maintaining the System .....	\$10.9 billion
Added capacity.....	\$3.7 billion
Congressionally-Designated High Priority Corridors.....	\$7.5 billion
<u>Economic Development Connectors.....</u>	<u>\$1.6 billion</u>
<b>Total Needs and Other Improvements.....</b>	<b>\$23.7 billion</b>

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<b>Total Needs and     Other Improvements.....</b>	<b>\$23.7 billion</b>
<u>Anticipated Funding.....</u>	<u>\$4.1 billion</u>
<b>SHORTFALL.....</b>	<b>\$19.6 billion</b>



**Funding**

# Highway Funding – Total (Average 2005-2009)

- Federal Funds ..... **\$505 million**
- State Highway Funds ..... \$393 million
- Total Federal and State Highway Funds..... **\$898 million**
- Deductions..... (\$487 million)
- Total Federal and State Highway  
Funds for Construction..... \$411 million
- Funds Specific to Categories –  
Limited or No Commission Discretion..... (\$144 million)
- Highway Construction Funds Available  
For Commission Prioritization..... \$267 million

# Federal-Aid Categories and Funds

FEDERAL AID CATEGORIES AND FUNDS SAFETEA-LU 2009 AND 2010 DOT Approps. and Surf. Trans. Extension Acts			
CATEGORY	FY 2009	FY 2010	
<b>REGULAR LIMITATION</b>			
Interstate Maintenance	85,614,538	95,433,882	
National Highway System	97,609,285	109,004,790	
Surface Transportation Program	110,493,904	123,166,724	
Enhancements	11,365,999	12,316,672	
L.R./N.L.R.	8,361,675	9,337,994	
West Memphis	880,965	983,761	
Urban Areas < 200,000	4,000,000	4,000,000	
Rural (State)	5,967,210	5,967,210	5,967,210
Rural (County)	5,967,209	5,967,209	
Discretionary	74,150,986	84,593,878	
Certain Authorized Funds(Lop-off)	2,046,639	3,540,907	
Bridge Replacement	70,241,892	78,292,493	
Off-System	6,836,284	8,043,874	
Off-System (County)	3,700,000	3,700,000	
On-Off-System (Optional)	N/A	N/A	
85% On-Off-System (Optional)	59,705,608	66,548,619	
Congestion Mitigation and Air Quality Program	11,006,295	12,267,754	
Transportation Planning	10,290,107	11,219,941	
Safe Routes to School	1,622,447	1,622,447	
Highway Safety Improvement	20,609,270	22,971,350	
Railway-Highway Crossing	3,787,769	3,787,769	
Recreational Trails Program	1,398,955	1,398,955	
Section 163, Safety Incentive Grant			
<b>TOTAL APPORTIONMENTS</b>	<b>414,721,101</b>	<b>462,707,612</b>	
<b>MISCELLANEOUS</b>			
Disadvantage Business Enterprise Program	198,999	194,864	
Exemption & Flexibility for Certain Allocated Funds		31,378,103	
Highway Use Tax Evasion Funds	9,500		
LTAP Technology Transfer Center	140,000	140,000	
OFF Supportive Services	178,864	68,478	
Railroad Bridge Rehabilitation, El Dorado, AR	332,500		
Railroad Overpass, Blytheville, AR		500,000	
Southeast AR Intermodal Facility, Wilmar (transfer from FTA)	926,440		
<b>TOTAL MISCELLANEOUS</b>	<b>14,744,334</b>	<b>41,806,645</b>	
<b>EXEMPT FROM LIMITATION</b>			
Minimum Guarantee / Equity Bonus	8,273,418	8,273,418	
Emergency Relief	18,850,610	861,786	
Highway Infrastructure Funds		8,388,607	
<b>SPECIAL LIMITATION</b>			
Minimum Guarantee / Equity Bonus	25,894,890	25,894,890	
Section 112 & 129 & 125 Designated Projects	3,467,500	0	
High Priority Projects (SAFETEA-LU)	51,392,000	0	
AHTD	27,129,600	0	
1-49, Hwy. 71: Bella Vista (Arkansas Portion)	3,400,000		
1-49, Hwy. 71: Hwy. 22 to Hwy. 71 near Jenny Lind	1,400,000		
1-49, Hwy. 71: Mena to LA State Line	600,000		
1-69 Connector, (Pine Bluff to Wilmar)	6,400,000		
1-301-4401-530 Interchange Improvements (Little Rock)	240,000		
1-4301-630 Interchange Improvements	3,000,000		
1-540 Hwy. 102 Interchange Widens & Improvements	284,000		
East-West Arterial Extension (Hwy. 70 to Hwy. 5-7) (Hot Springs)	2,000,000		
Hwy. 65 Van Buren Co. Pass Lanes, Rte. Intersection, Other Imp	240,000		
Hwy. 65-82: Pine Bluff-Greenville Bridge (Widening)	400,000		
Hwy. 67: Kethi Vandenberg Rehab. & Widening	1,392,000		
Hwy. 67 Hwy. 371 Railroad Overpass (Present)	653,400		
Hwy. 77 Rail Grade Separation (Marion)	760,000		
Hwy 79B University Ave. (Pine Bluff) (Widen, Imps., & Other Development)	660,000		
Hwy. 102: U.S. 718 to West City Limits (Bentonville)	800,000		
Hwy. 165: Railroad Overpass, Stuttgart, AR	720,000		
Hwy. 167: LA Line-1-530 (Widening, Imps., & Other Development)	1,000,000		
Hwy. 167: Fayetteville Bypass (Widening)	400,000		
Hwy. 226: Widening Hwy. 226, Cash Bypass & Hwy. 49 Connection	480,000		
Hwy. 226: Northeast Arkansas Connector (Relocation of Hwy. 226)	210,000		
Hwy. 412: Paragould-South Bypass	200,000		
Hwy. 412: Baxter Co. to Ash Flat	520,000		
NON-AHTD	24,262,400	0	
Benton County: War Eagle Bridge Rehabilitation	128,000		
Bentonville: 8th St. (1-540-SW Elm Tree Rd. incl. direct access to I-540)	7,000,000		
Conway: Western Loop	480,000		
Fayetteville: Fayetteville Expressway Economic Development Corridor (Construct & Rehab)	1,800,000		
Fayetteville: U of A Technology Corridor Enhancement Project (Construct & Rehab)	640,000		
Fort Smith: Jenny Lind Road and Ingersoll Road Improvements	1,440,000		
Hot Springs: Hwy. 38 Improvements (Highway Ferry Road)	1,212,000		
Jonesboro: Caraway Bridge Overpass	1,800,000		
E. Little Rock to Pinnacle Mtn. St. Park Pedestrian/Bicycle Trail	12,000		
Little Rock: Junction Bridge Pedestrian Conversion	256,000		
LR/NLR Metropolitan Area: Rail Grade Separations	1,600,000		
Lonoke: 1-40 Hwy. 89 Interchange	1,000,000		
Mannville: 1-40 Interchange/Third Entrance	460,000		
Rogers: 1-540 & Perry Road Interchange	1,674,400		
Russellville: Intermodal Facility (Connect Access Rds.)	400,000		
Springdale & Johnson: Hwy. 412 to I-540 (Johnson Road)	2,300,000		
Van Buren: Rena Road (Widen & Reconstruction)	720,000		
Washington County: Tilly Willy Bridge (Replace and Rebuild)	160,000		
National Corridor Infrastructure Improvement Program (SAFETEA-LU)	26,609,143	0	
Surface Transportation Priorities		6,232,535	
Transportation Improvements (SAFETEA-LU, Sec. 1934)	1,300,000		
<b>GRAND TOTAL APPORTIONMENTS AND ALLOCATIONS</b>	<b>565,252,996</b>	<b>553,863,893</b>	
<b>TOTAL LIMITATIONS AND ALLOCATIONS</b>	<b>545,420,454</b>	<b>536,857,607</b>	
<b>HIGHWAY SAFETY PROG. (SEC. 402) OBLIGATION LIMITATION</b>	<b>8,646,747</b>	<b>9,636,022</b>	



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# Federal-Aid Highway Funding

## Obligation Limitation

- **ISTEA (1992-1997) ..... 94.2%**
- **TEA-21 (1998-2003) ..... 90.1%**
- **STEA (2004)..... 88.5%**
- **SAFETEA-LU (2005 to date).... 86.3%**

# Appropriations

- **Consolidated and further Continuing Appropriations Act, 2012 signed by President on November 18, 2011**
  - ✓ **Appropriates funding through September 30, 2012 (remainder of Fiscal Year 2012)**
  - ✓ **4.6% reduction in funding (\$25 million reduction for Arkansas)**
  - ✓ **\$500 million for TIGER Grants**

# Reauthorization

- 888 days since SAFETEA-LU expired
- 8 extensions since September 30, 2009
- Current extension expires March 31, 2012
- Funds appropriated through September 30, 2012, but may not have spending authorization

# Reauthorization

- **Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) approved by Senate EPW Committee**
  - ✓ 2-year bill
  - ✓ Senate Finance Committee must “find” \$12 billion to fully fund MAP-21 – reported to reveal plan on Feb. 2
  - ✓ Slightly below FY2011 funding levels
  - ✓ Consolidating programs
  - ✓ Performance measures
  - ✓ **Competitive grants and set-asides for “loans”**

# Reauthorization

- **The American Energy and Infrastructure Jobs Act**
  - ✓ 5-year bill
  - ✓ At or near FY2012 funding levels
  - ✓ (\$2 billion less than FY2011)
  - ✓ No specifics available, but much talk about consolidating programs and performance measures
  - ✓ Now talking about shorter term bill

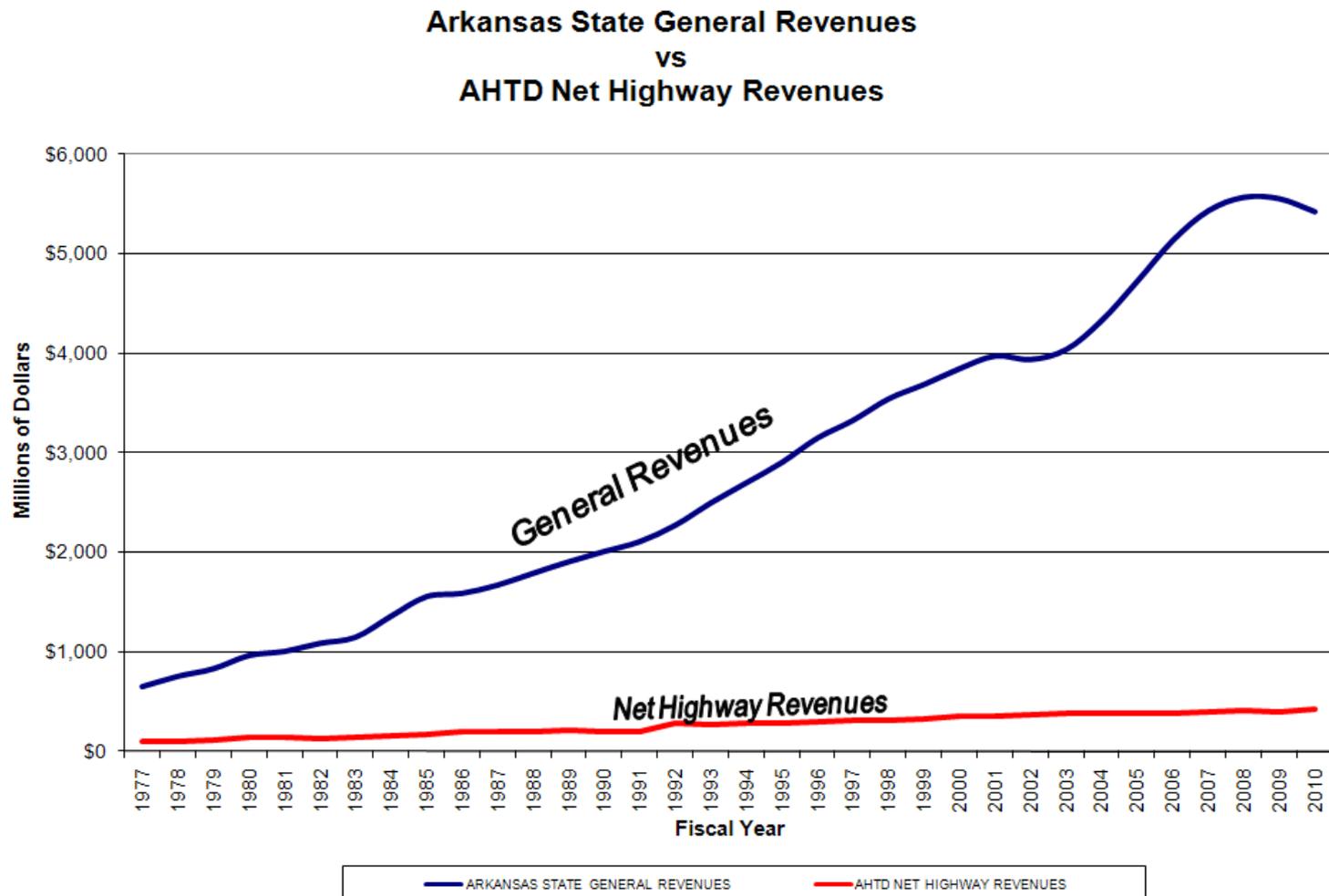
# Reauthorization

- **Steps needed to enact a bill**
  - ✓ Committees must finalize legislation
  - ✓ House and Senate must debate and pass their bills
  - ✓ House and Senate must agree on and pass a final bill
- **Can this happen by March 31, 2012???**

# State Funds for Highways

Motor Fuel taxes.....	70%
Registration fees.....	19%
Natural Gas Severance Tax.....	6%
Other.....	5%

# State General Revenues vs. AHTD Net Highway Revenues

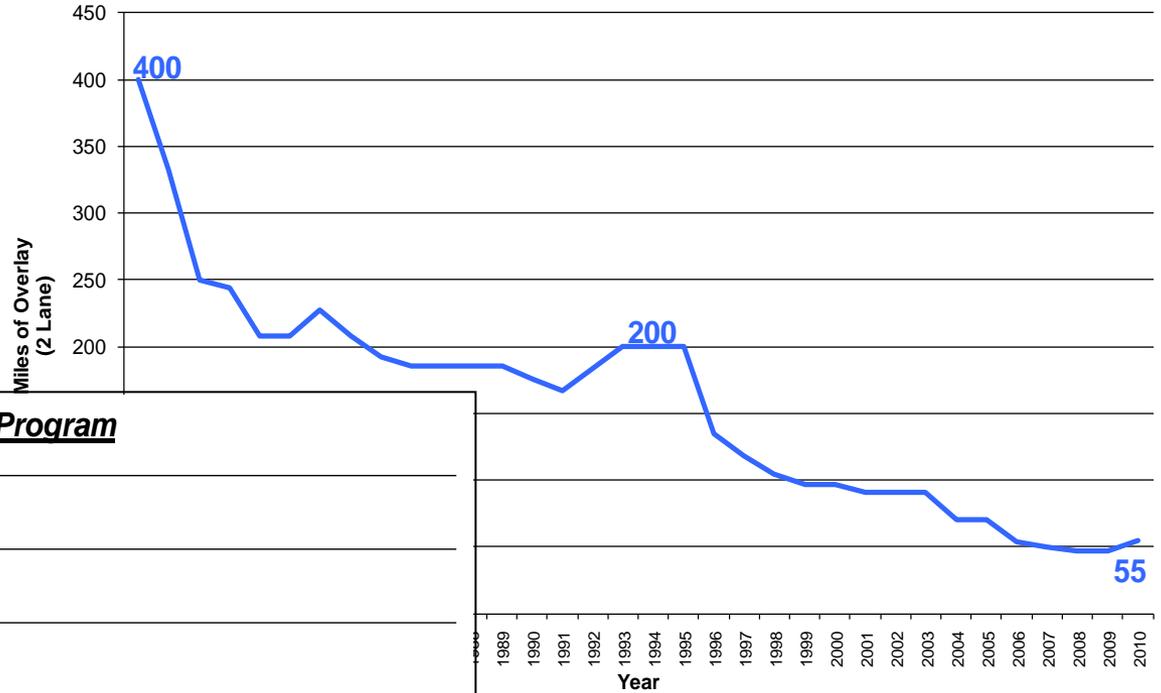


Excludes County & City aid funds  
Prepared by: Planning and Research 11/23/2010

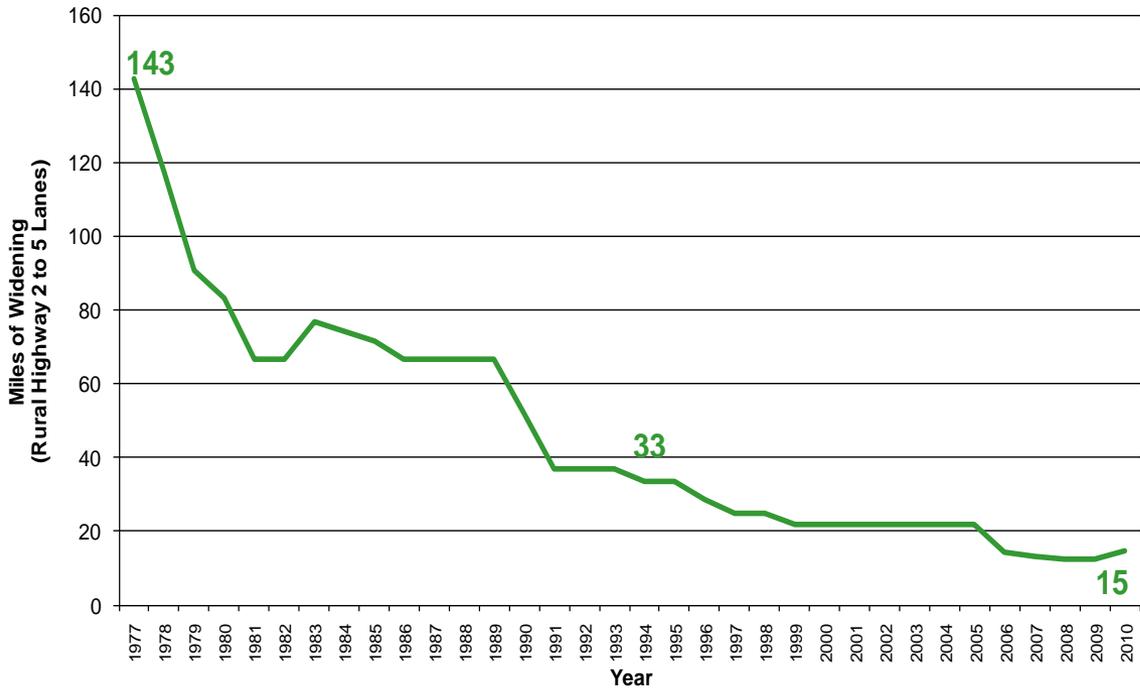


# Purchasing Power Collapse

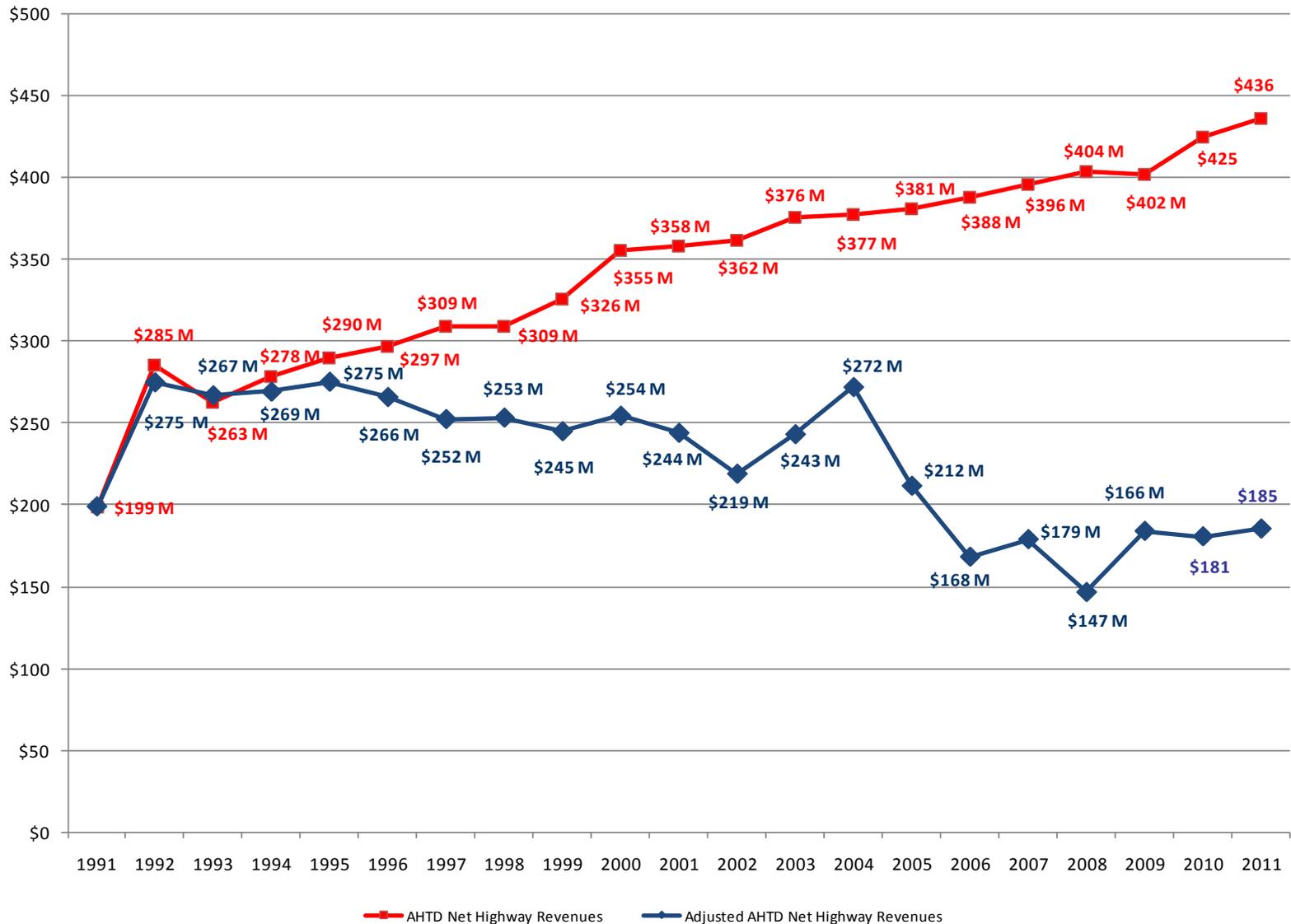
\$10,000,000 Overlay Program



\$100,000,000 Widening Program

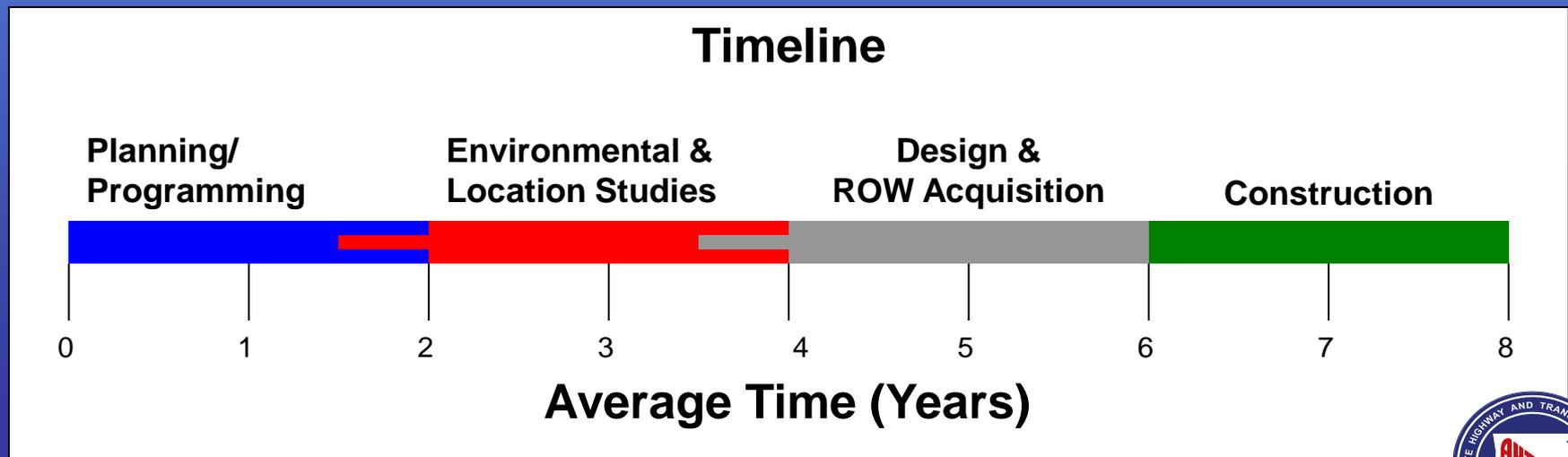


# Loss of Buying Power



# Project Development Timeline

- Planning / Programming – 24 Months
- Environmental & Location Studies – 30 Months
- Final Design & ROW Acquisition – 24 Months
- Construction – 24 Months



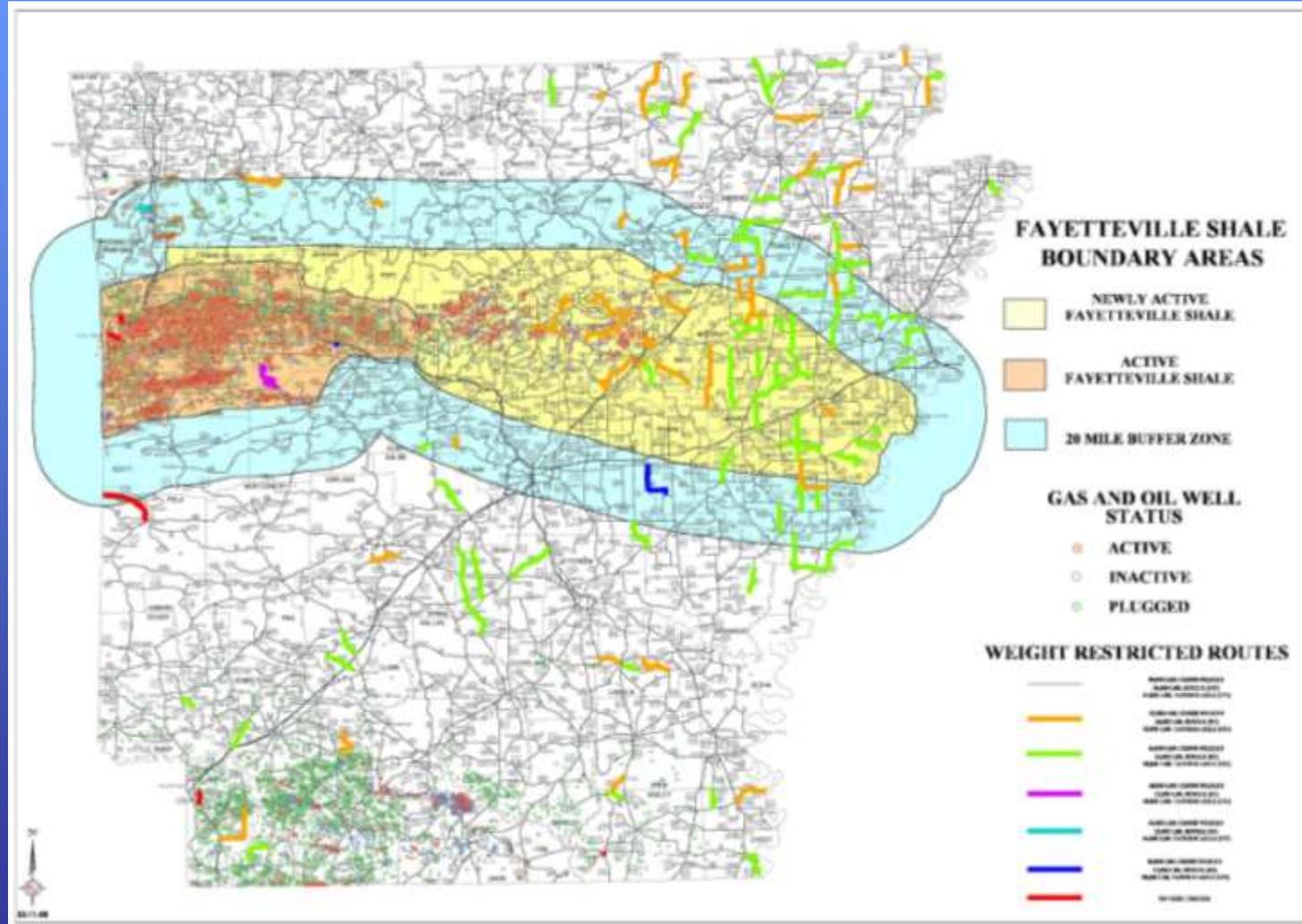
# Fayetteville Shale Impact on Arkansas Highways



# FAYETTEVILLE SHALE AREA

Newly Active Area –  
25 Counties

Active Area –  
9 Counties



# Severance Tax Revenue

- **Acts 4 and 5 of 2008 Special Session**
- **Went into effect January 2009**
- **New source of funds for highways**
- **Revenue could be used anywhere but Commission dedicated funds to projects in the Fayetteville Shale area.**

# Department of Finance and Administration Projected Severance Tax Revenue

(in million dollars)

	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
AHTD	\$12.9	\$47.5	\$55.4	\$60.4	\$64.7
Cities	\$2.8	\$10.2	\$11.9	\$13.0	\$13.9
Counties	\$2.8	\$10.2	\$11.9	\$13.0	\$13.9

Department of Finance and Administration  
**Projected Severance Tax Revenue**  
**to AHTD**  
(in million dollars)

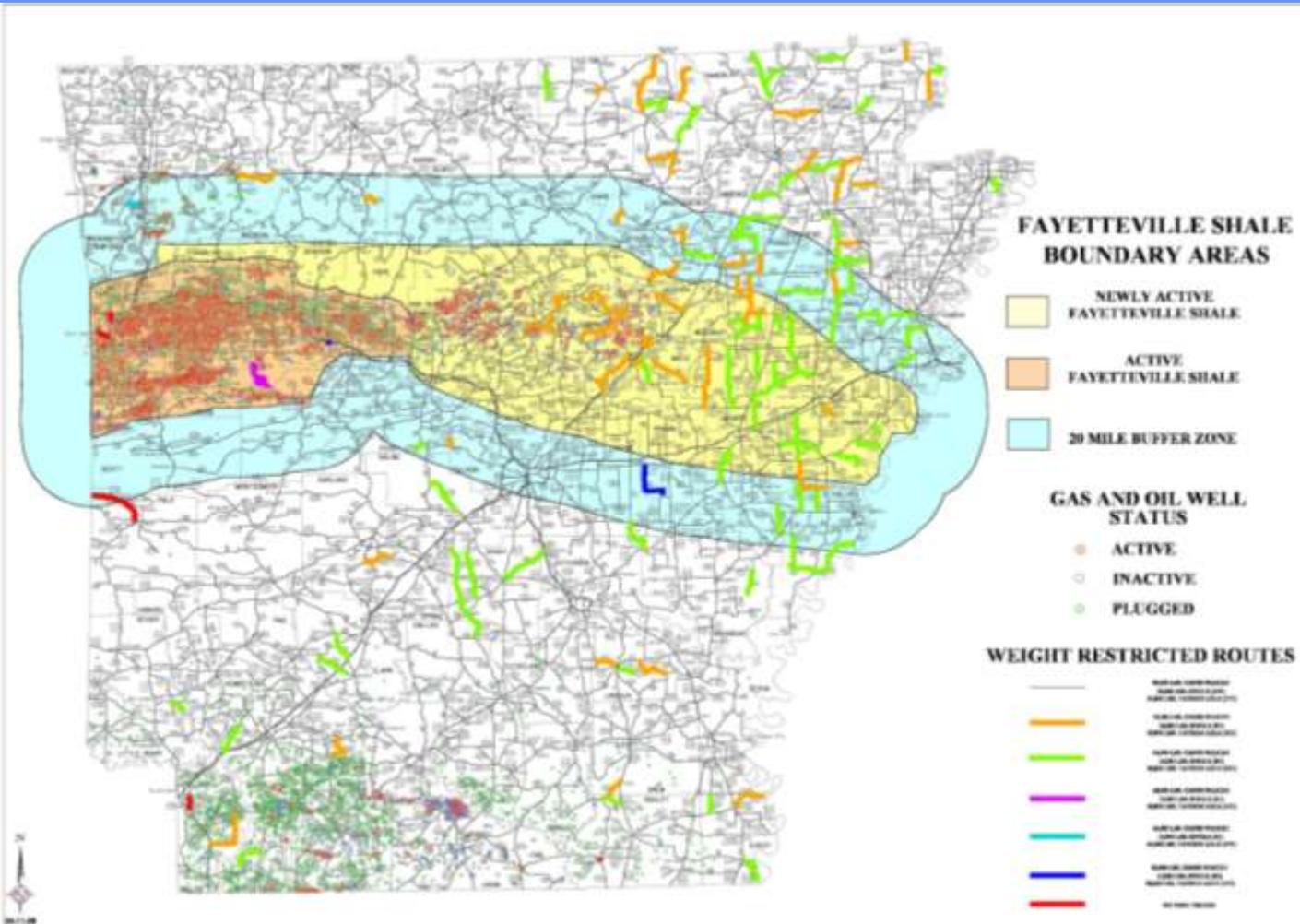
	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Projected	\$12.9	\$47.5	\$55.4	\$60.4	\$64.7
Actual/ Budgeted	\$6.5	\$29.1	\$35.5	*\$37.5	??

\*updated AHTD projection

# FAYETTEVILLE SHALE AREA

## RESTRICTED HIGHWAYS:

- 351 Miles in Newly Active Area
- 23 Miles in Active Area
- 1175 Miles Statewide



# Roadway Maintenance Assessments

- Assessment charged per well for non-divisible loads traveling on weight-restricted highways:
  - ✓ \$18,000 in 2008
  - ✓ \$16,500 in 2009
  - ✓ \$41,200 in 2010
  - ✓ \$50,545 in 2011
  - ✓ \$51,725 in 2012
- \$10.1 million collected to date

# ADDITIONAL TRAFFIC DATA

- Approximately 1500 additional trucks to drill horizontal, trucked water well
- Loads as heavy as 210,100 pounds

Individual Truck and Equipment Loads for SWN's Arkansas Wells  
(Pick-up trailered loads not included)

Operation	Load Description	Vehicle Type	# of Axles	Gross Loaded Weight	Empty Weight	# of Round Trips per Well	Comments
Location Construction	Shore	Tractor	4	52,275	30,000		Load can be lowered by carrying less rock, Watering county roads
	Rock	Belly Dump	5	80,000	30,000		
	Water	Water Truck	3	45,000	19,440		
	Oil Caster	Lowboy	6	128,000	41,000		
	Trackhoe	Lowboy	6	100,000	41,000		
	Grader	Lowboy	6	79,000	41,000		
Drilling (Crawler Rig Moves)	Hoops	Lowboy	6	84,000	41,000		Self generated unit
	Air Rigs	Drilling rig	5	92,000	50,000		
	Drig House / Fluid Tank	Lowboy	5	80,000	24,000		
	Stat Pumps	Lowboy	6	118,000	30,000		
	Flux Trailer	Flat	5	80,000	24,000		
	Flux Trailer	Flat	5	80,000	24,000		
	Water Tank	Lowboy	5	62,000	24,000		
	Air Compressor	Flat	5	80,000	24,000		
	Air Booster	Flat	5	80,000	24,000		
	Miscellaneous	Flat	5	80,000	24,000		
Drilling (Horizontal Rig Moves)	Shaker Stack	Lowboy	3	110,000	45,000		
	Shaker Tank	Lowboy	3	110,000	45,000		
	Suction Tank	Lowboy	3	110,000	45,000		

Individual Truck and Equipment Loads for CHK's Arkansas Wells  
(Pick-up trailered loads not included)

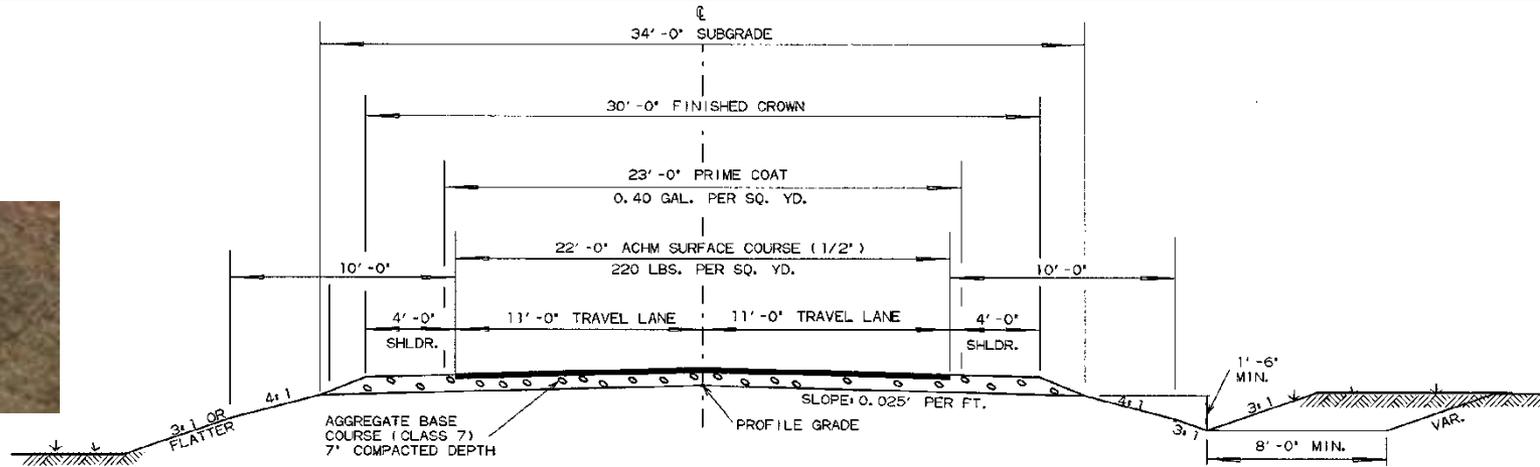
Potential Remaining Drilling Wells Utilizing Hwy's 124, 305 and 310: 65  
 Current Producing Wells: 8  
 Wells in Completion Phase: 5  
 Wells Currently Drilling: 1

Well Count as of 8/21/07

Operation	Load Description	Vehicle Type	# of Axles	Gross Loaded Weight	Empty Weight	# of Round Trips per Well	
Drilling (Other than Rig Moves)	Surface Casing	Flatbed	3	52,275	30,000	1	
	Production Casing	Flatbed	3	64,000	30,000	4	
	House Trailers	Tractors	3	12,000	n/a	3	
	Directional Tools	Flatbed	3	12,000	10,000	1-3	
	Drilling Mud	Flatbed	3	70,000	30,000	7	
	Water Truck	Water Tanker	3	71,500	30,000	34	
	Drill Cuttings	Drop Truck	4	80,000	47,000	3	
	Fuel Truck	Water Tanker	3	41,000	12,000	5	
	Cementing	Pump Truck (Float)	3	80,000	n/a	varies (-1)	
	Cementing	Bobtruck	3	53,000	n/a	2	
	Cementing	Bulk Truck	3	79,000	30,000	4	
	Test Truck (Nipple-Up)	Bobtruck	3	8,000	8,000	2	
	OBM Transport	Water Tanker	3	34,000	12,000	13	
	Frac Tanks	Water Tanker	3	57,000	12,000	2	
	Completion (other than frac)	Completion Rig	Crane Carrier	4	92,000	92,000	2
		Production Tubing	Flatbed	5	58,200	30,000	2
		Workstring	Flatbed	5	107,000	30,000	1
Flowback Tanks		Tractor Trailer	4	57,000	12,000	varies	
Flowback Water Disposal		Water Tanker	5	73,000	30,000	varies	
Gin Pole Truck		Boom Truck	3	47,000	47,000	2	
Pump Truck		Bob Tail	3	73,000	30,000	2	
KCL Water		Water Tanker	5	73,000	30,000	variable	
Wellhead Isolation Tool		Flatbed	4	56,000	15,000	1	
Coiled Tubing Unit		Tactor Trailer	7	150,000	150,000	1	
Coiled Tubing Unit Crane		Bobtail	4	70,000	70,000	1	
Nitrogen Pumper		Bobtail	3	85,000	70,000	1	
Coiled Tubing Fluid Pump		Tractor Trailer	5	80,000	80,000	1	
Wireline/Logging Unit		Bobtail	3	55,000	55,000	1	
Wireline/Logging Unit Crane		Bobtail	3	57,000	57,000	1	
Surface Production Equip		2.5 Ton Truck & Trailer	4	31,000	26,000	2	
Completion (Frac Water Trucked)		Frac Tanks	Tractor Trailer	4	57,000	12,000	varies
	Frac Water	Water Tanker	5	73,000	30,000	varies	
Completion (Frac Water Transfer)	Frac Tanks	Tractor Trailer	4	57,000	12,000	varies	
Completion (Frac)	High Rate Blender	Tractor Trailer	5	79,220	79,220	1	
	Hydration Unit	Tractor Trailer	5	79,420	79,420	1	
	Frac Pumps	Tractor Trailer	6	93,360-94,880	93,360-94,880	6, variable	
	Iron Trailer	Tractor Trailer	5	77,620	77,620	1	
	Suction Discharge Trailer	Flatbed	4	47,120	47,120	1	
	Frac Crane Truck	Bobtail	4	85,000	50,000	1	
	Air Slide	Tractor Trailer	5	85,000	36,040	1	
	Sand Chief	Tractor Trailer	5	77,580-73,060	77,580-73,060	1	
	Chemical Van	Tractor Trailer	5	66,180	66,180	1	
	Frac Monitor Van	Bobtail	5	53,840	53,840	1	
	Winch Tractor	Flatbed	3	22,880	22,880	varies	



# ROADWAY DAMAGE ANALYSIS



TYPICAL SECTION OF IMPROVEMENT

NOTE: USE FLAT BOTTOM DITCHES TO 0' MATERIAL AND/OR WATERWAY WHEN

NOTE: REFER TO CROSS SECTIONS FOR SLOPES. NO CHANGES SHALL BE MADE TO SLOPES WITHOUT THE APPROVAL OF

- Soil Type
- Base Depth
- Pavement Depth
- Falling Weight Deflectometer
- Traffic Data



# EXAMPLE OF IMPACT FROM ADDITIONAL HEAVY TRAFFIC LOADS

Traffic Scenario	Average Pavement Depth (in.)	Average Base Depth (in.)	Suggested Overlay Depth (in.)	Remaining Life (years)	Estimated Damage (per mile)
Existing	2.0	9.0	2.47	6.4	--
1	2.0	9.0	2.53	6.0	\$25
2	2.0	9.0	3.72	3.0	\$486
3	2.0	9.0	4.32	2.2	\$722
4	2.0	9.0	6.47	0.9	\$1559

## Traffic Scenarios:

Existing: 2007 ADT = 500; 2027 ADT = 700; Percent Trucks = 10

1: Existing + one additional 100,000-pound load

2: Existing + one additional 100,000-pound load and fifty 73,280-pound loads

3: Existing + one additional 100,000-pound load and one hundred 73,280-pound loads

4: Existing + one additional 100,000-pound load and five hundred 73,280-pound loads



# Highway Conditions in Fayetteville Shale Play Region

- Data collected and analyzed since 2007
  - ✓ Roughness, rutting, cracking, overall pavement condition
  - ✓ Focus at first was on lower volume highways
  - ✓ Higher volume routes are also affected
- Approximately \$455 million needed to bring all highways in the area back to acceptable condition

# Highway 92, Conway County

## No Weight Restrictions

DIST	CNTY	RTE	SECT	R#	OP	D	L	W	TAPE
08	015	92	010	01	23	1	1	1	6055
12.314	12.300	75.6306	06/27		63574				

June 2006

DIST	CNTY	RTE	SECT	R#	OP	D	L	W	TAPE
08	015	092	010	01	23	3	1	2	8051
12.291	12.275	76.0	08/07/17		200913				

July 2008



# Highway 107, Faulkner County

No Weight Restrictions

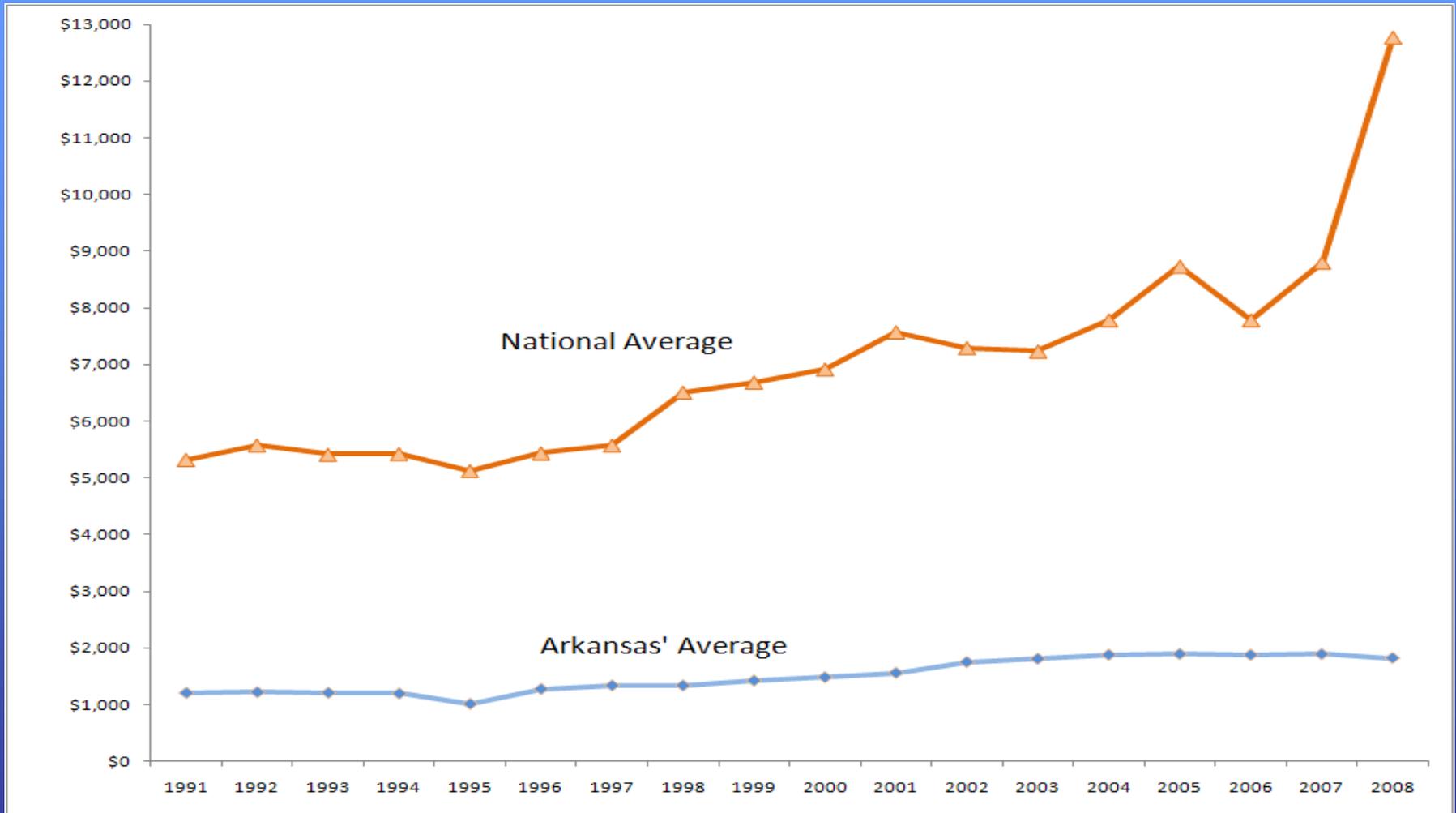
February 2010



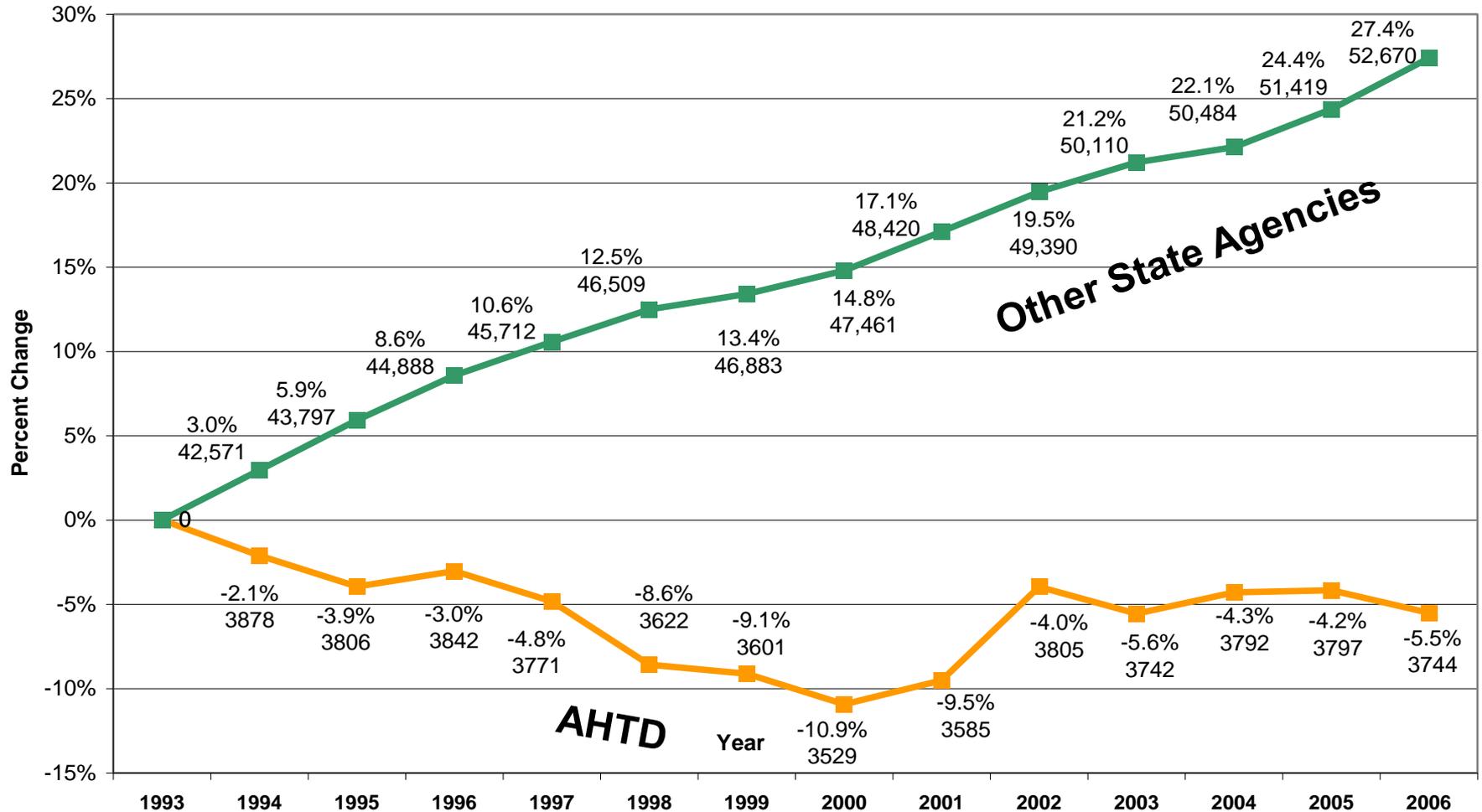
# Actions Taken And Opportunities Ahead



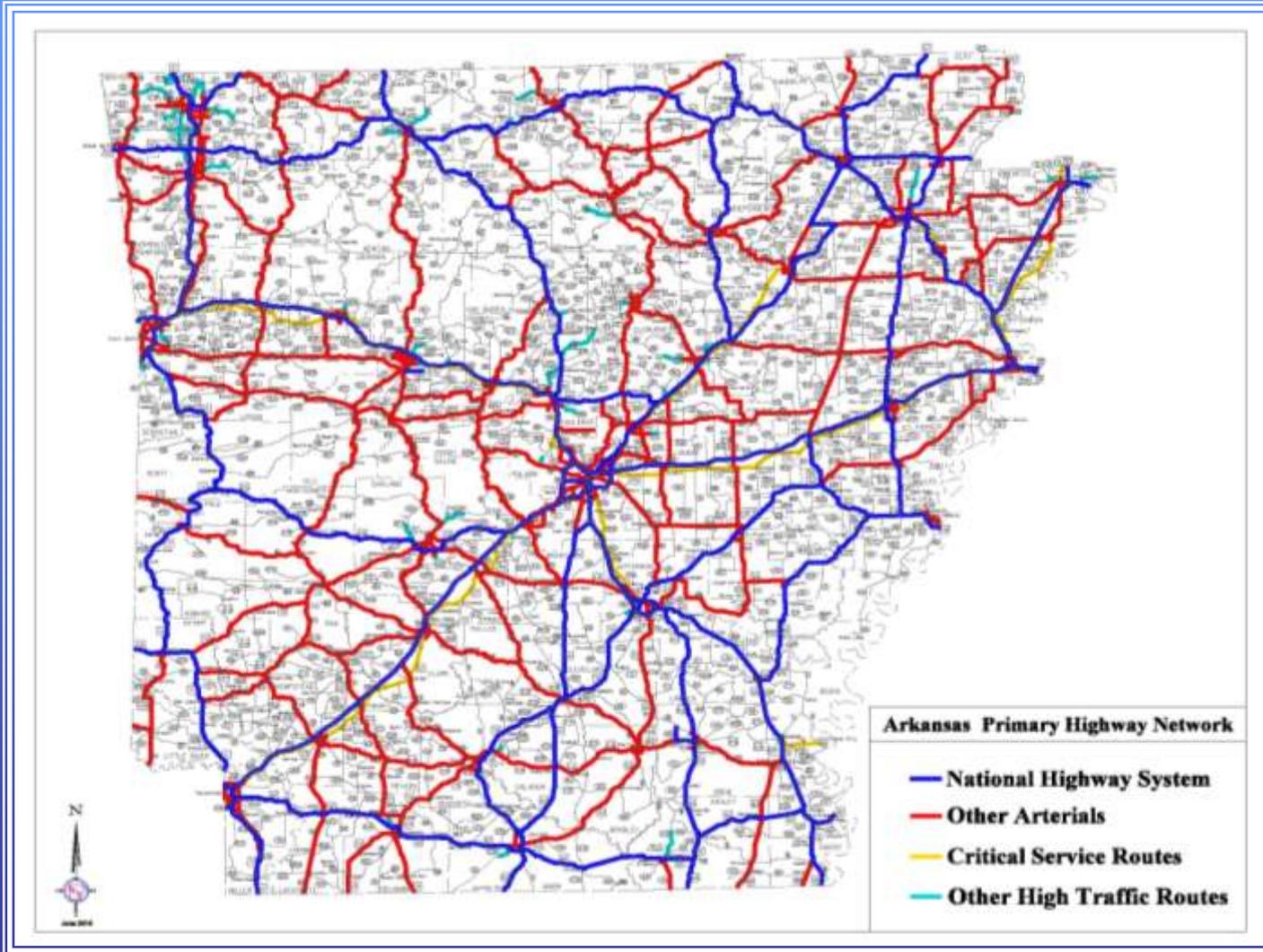
# AHTD Administrative Costs Per Mile



# Employment Growth History



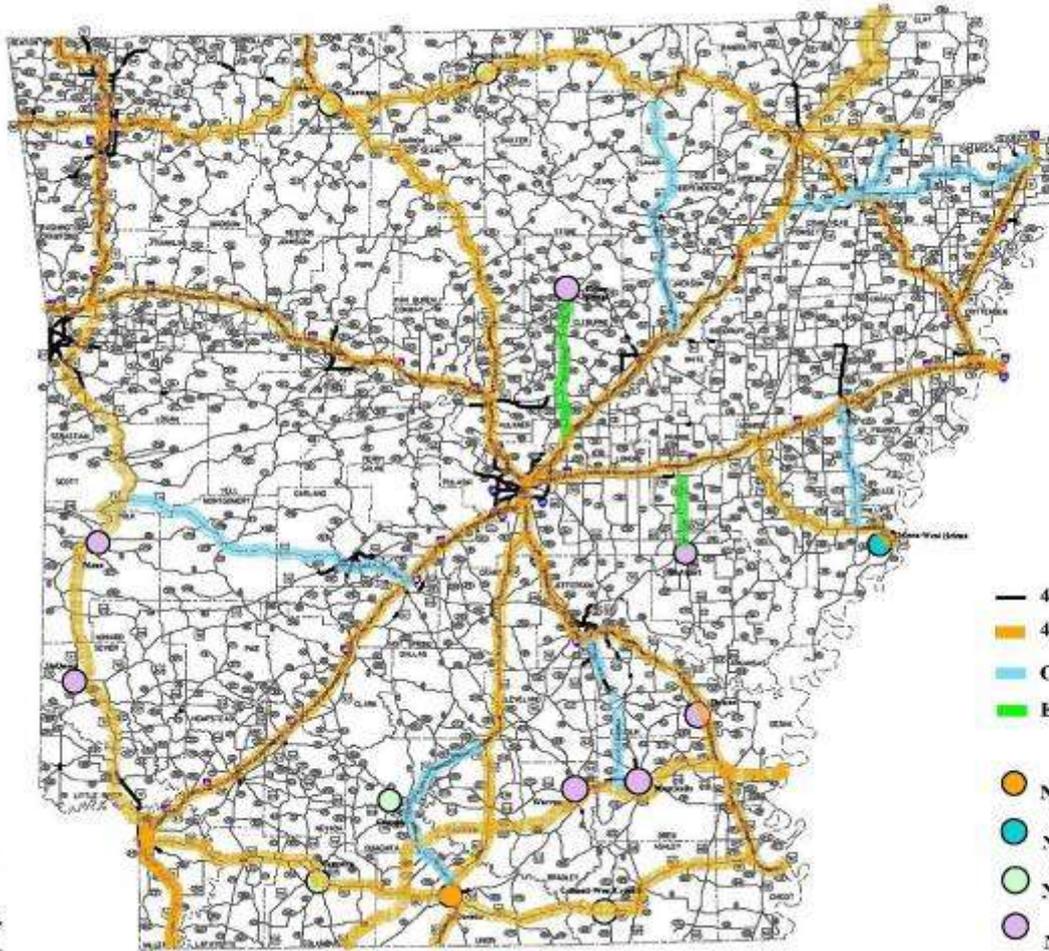
# Arkansas Primary Highway Network



50% of mileage

92% of traffic

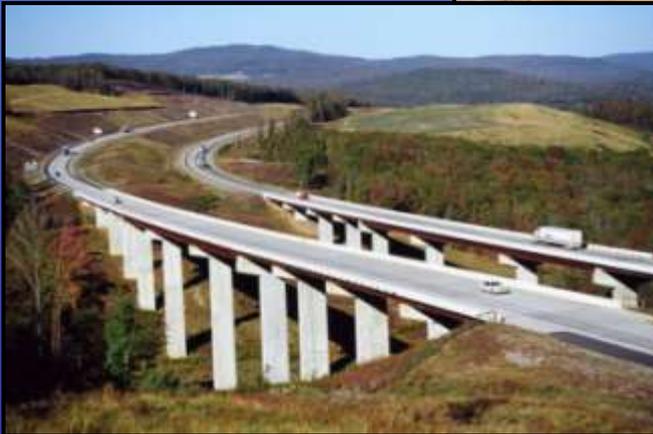
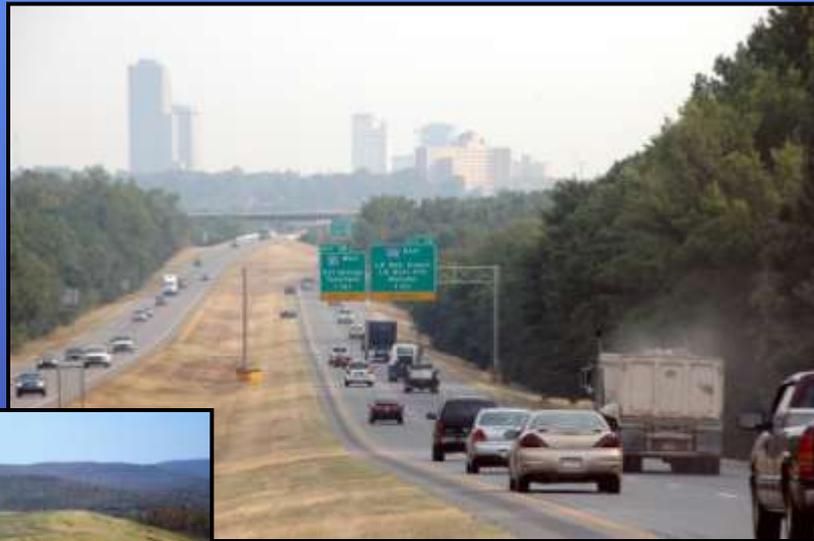
# Proposed 4-Lane Highway System



<b>4-Lane Grid</b>	<b>\$7.8 billion</b>
<b>Regional Connectors</b>	<b>\$0.6 billion</b>
<b>Economic Development Connectors</b>	<b>\$0.3 billion</b>
<b>TOTAL</b>	<b>\$8.7 billion</b>

- 4+ Lane (Thru 2010)
- 4 - Lane Grid System
- Other Regional Connections
- Economic Development Connections
- Cities > 20,000 Not Connected by 4-Lane
- Cities 15,000 to 20,000 Not Connected by 4-Lane
- Cities 10,000 to 15,000 Not Connected by 4-Lane
- Cities 5,000 to 10,000 Not Connected by 4-Lane

# 2011 Interstate Rehabilitation Program



# Timeline

April 2011

RFPs for design consultants

November 2011

Contract signed with Financial Advisor

December 2011

Agreements signed with 10 design firms

Currently

Assigning projects to design firms

Late 2012 (tentative)

Issue bonds and let first contracts

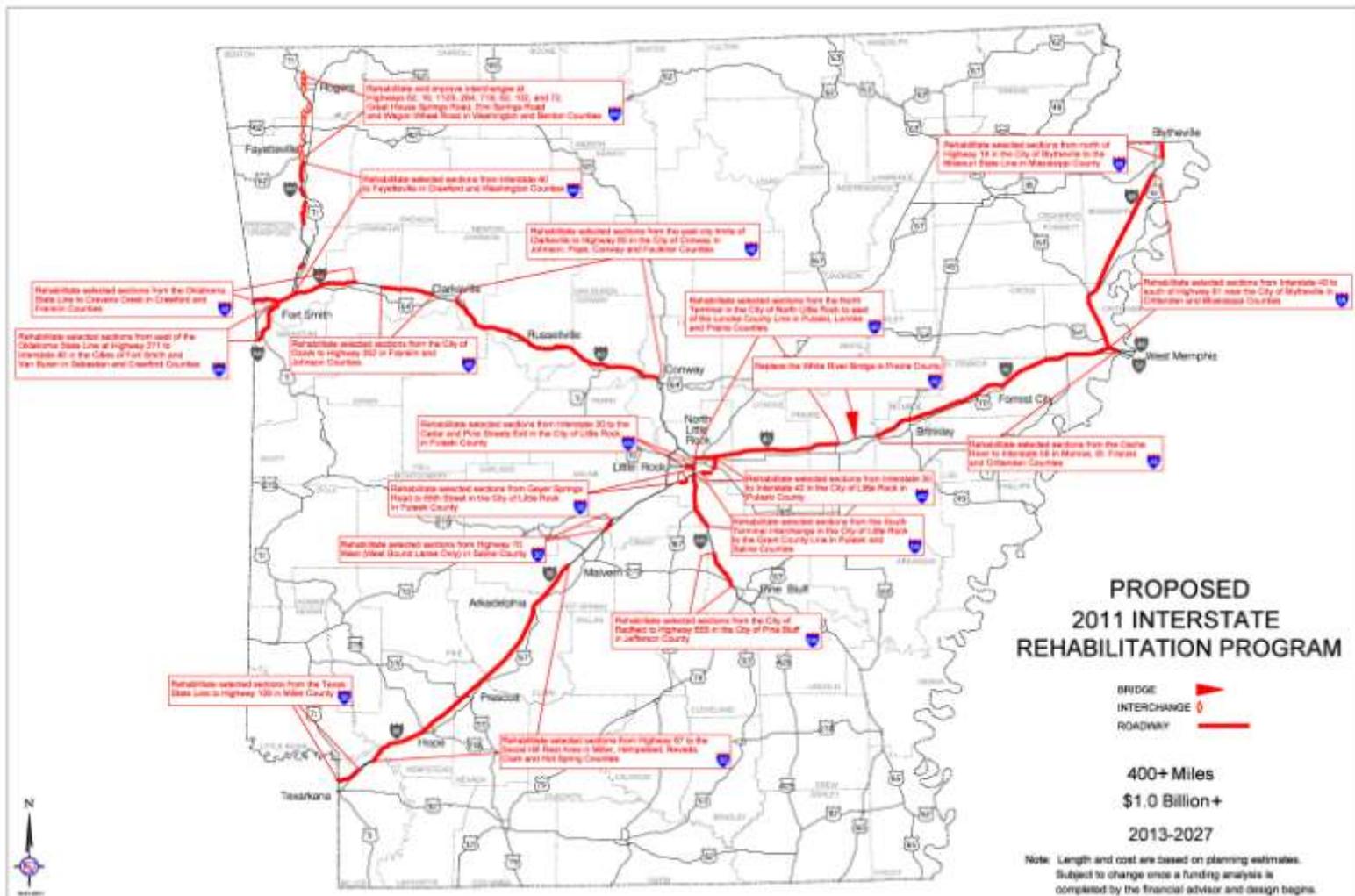


# Types of Work

- Mill and Inlay
- Mill and Overlay
- Rubblize and Overlay
- Mill, Rubblize and Overlay
- Concrete Pavement Rehabilitation
- Concrete Reconstruction
- Interchanges Modifications



# 2011 Interstate Rehabilitation Program Map



Rehabilitate and improve interchange of Highways 62, 90, 110, 204, 700, 80, 102, and 70. Great House Springs Road, Elm Springs Road and Wilson House Road in Washington and Benton Counties.

Rehabilitate selected sections from Interstate 49 in Fayetteville in Crawford and Washington Counties.

Rehabilitate selected sections from the east end of Clarksville to Highway 80 in the City of Conway in Adair, Pike, Conway and Franklin Counties.

Rehabilitate selected sections from the Oklahoma State Line to Cravens Creek in Crawford and Franklin Counties.

Rehabilitate selected sections from east of the Oklahoma State Line at Highway 271 to Interstate 49 in the Cities of Fort Smith and Van Buren in Sebastian and Crawford Counties.

Rehabilitate selected sections from the City of Clarksville to Highway 302 in Franklin and Jefferson Counties.

Rehabilitate selected sections from Interstate 30 to the Clark and Ford Streets End in the City of Little Rock in Pulaski County.

Rehabilitate selected sections from Green Springs Road to West Street in the City of Little Rock in Pulaski County.

Rehabilitate selected sections from Highway 103 State West State Line Drive in Saline County.

Rehabilitate selected sections from the Tyson State Line to Highway 140 in Miller County.

Rehabilitate selected sections from Highway 67 to the Second 100 West Area in Miller, Hempstead, Nevada, Clark and Hot Spring Counties.

Rehabilitate selected sections from north of Highway 18 in the City of Fayetteville in the West of State Line in Washington County.

Rehabilitate selected sections from Interstate 40 to south of Highway 67 near the City of Fayetteville in Clinton and Washington Counties.

Rehabilitate selected sections from the North Terminal in the City of Little Rock to east of the Leland County Line in Pulaski, Lincoln and Polk Counties.

Repair the White River Bridge in Polk County.

Rehabilitate selected sections from Interstate 30 to Interstate 49 in the City of Little Rock in Pulaski County.

Rehabilitate selected sections from the South Terminal Interchange in the City of Little Rock to the Grant County Line in Pulaski and Saline Counties.

Rehabilitate selected sections from the Clark River to Interstate 49 in Marion, St. Francis and Ottawawa Counties.

# INTERSTATE CONDITION

1999 PRE-IRP



2006 POST-IRP



2014



2020 WITH BONDS



GOOD

FAIR

POOR

# Temporary 0.5% Sales Tax (Issue #1)

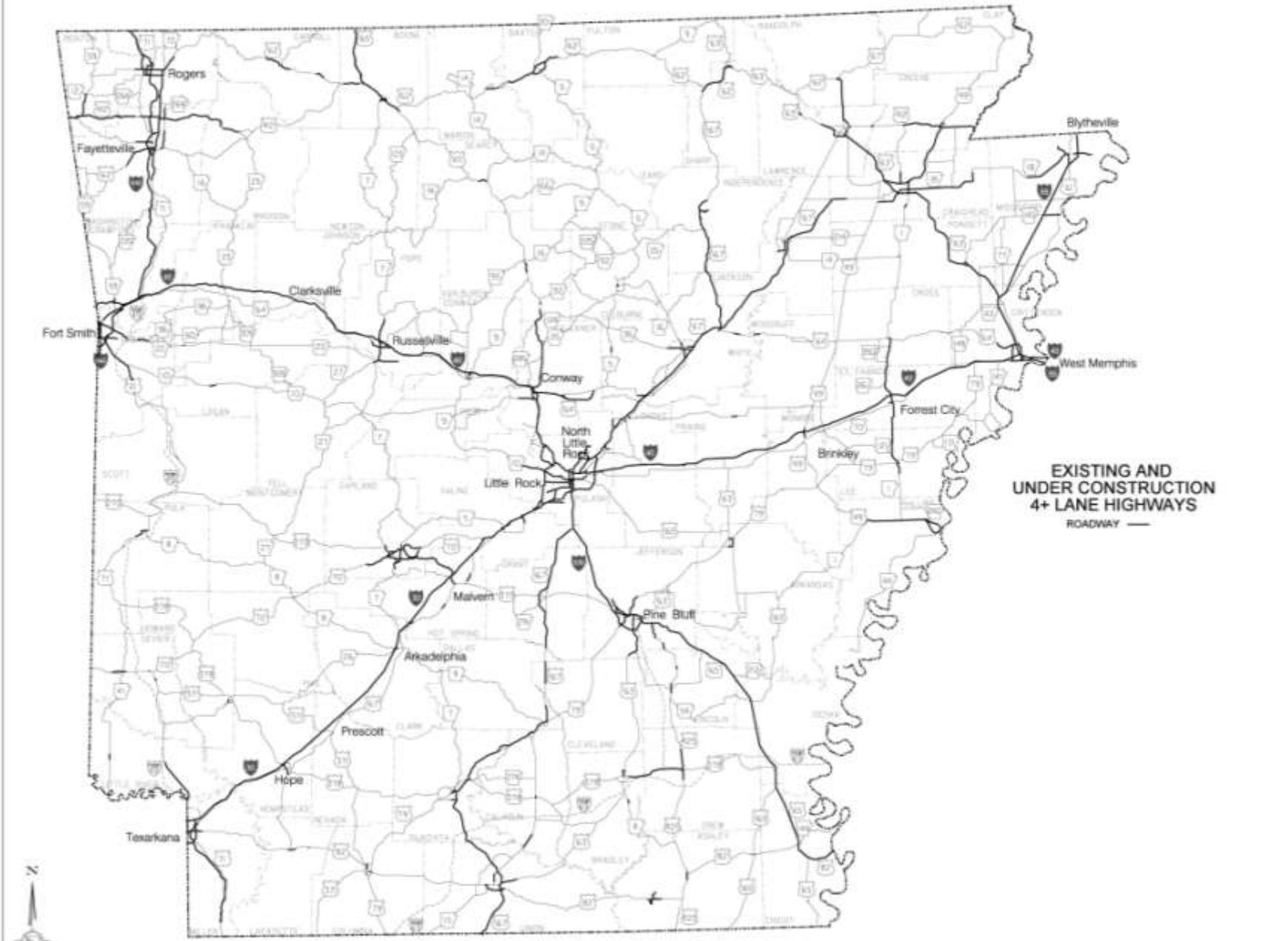
- November 6, 2012 election ballot
- Temporary Increase
- \$230m annually (\$160m/\$35m/\$35m)
- State Aid Street Fund for City Streets



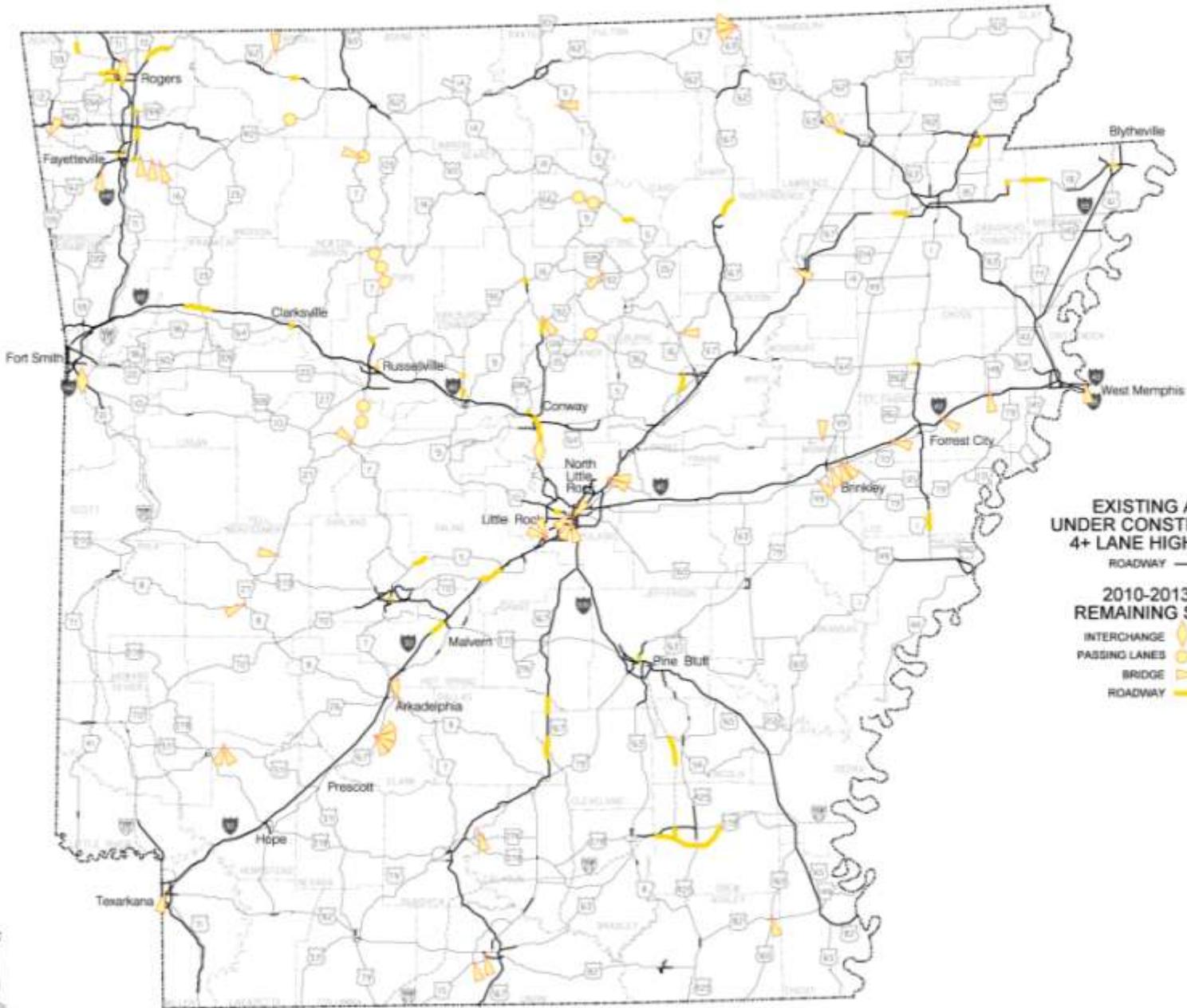
# Temporary 0.5% Sales Tax (Issue #1)

- Bond debt retired over 10 years
- \$1.3 Billion in general obligation bonds
- Tax expires when the bonds are retired
- Four-lane highways
- \$1.8 Billion total program





**EXISTING AND  
UNDER CONSTRUCTION  
4+ LANE HIGHWAYS**  
ROADWAY —



**EXISTING AND UNDER CONSTRUCTION 4+ LANE HIGHWAYS**

- ROADWAY —
- 2010-2013 REMAINING STIP**
- INTERCHANGE
- PASSING LANES
- BRIDGE
- ROADWAY



**EXISTING AND UNDER CONSTRUCTION 4+ LANE HIGHWAYS**

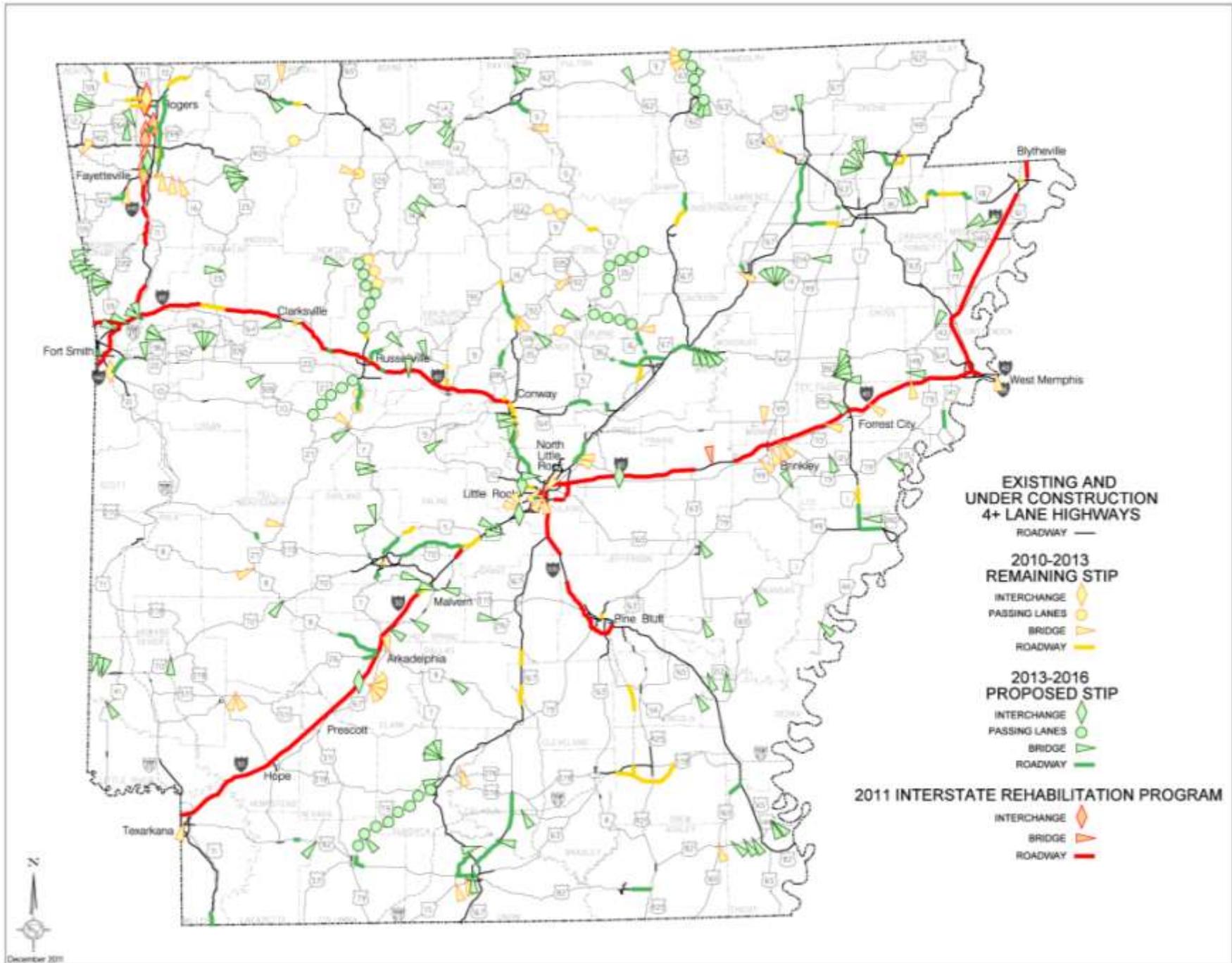
ROADWAY —

**2010-2013 REMAINING STIP**

- INTERCHANGE 
- PASSING LANES 
- BRIDGE 
- ROADWAY 

**2013-2016 PROPOSED STIP**

- INTERCHANGE 
- PASSING LANES 
- BRIDGE 
- ROADWAY 



**EXISTING AND UNDER CONSTRUCTION  
4+ LANE HIGHWAYS**

ROADWAY —

**2010-2013  
REMAINING STIP**

- INTERCHANGE 
- PASSING LANES 
- BRIDGE 
- ROADWAY 

**2013-2016  
PROPOSED STIP**

- INTERCHANGE 
- PASSING LANES 
- BRIDGE 
- ROADWAY 

**2011 INTERSTATE REHABILITATION PROGRAM**

- INTERCHANGE 
- BRIDGE 
- ROADWAY 



**EXISTING AND UNDER CONSTRUCTION 4+ LANE HIGHWAYS**

ROADWAY —

**2010-2013 REMAINING STIP**

- INTERCHANGE 
- PASSING LANES 
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- ROADWAY 

**2013-2016 PROPOSED STIP**

- INTERCHANGE 
- PASSING LANES 
- BRIDGE 
- ROADWAY 

**2011 INTERSTATE REHABILITATION PROGRAM**

- INTERCHANGE 
- BRIDGE 
- ROADWAY 

**PROPOSED 0.5% SALES TAX PROGRAM**

ROADWAY 

# Benefits of Temporary 0.5% Tax

- Completion of widening I-540 to six lanes between Fayetteville and Bentonville;
- Completion of the initial two lanes of the ultimate four lanes of the Bella Vista Bypass (Future I-49);
- Beginning the four-lane construction of the U.S. Highway 412 Bypass (Springdale) from I-540 westward to XNA Connector;

# Benefits of Temporary 0.5% Tax

- Completion of widening I-40 to six lanes between Conway and North Little Rock;
- Completion of widening U.S. Highway 67 to six lanes from Jacksonville to Cabot;
- Improvements to I-30 connecting Little Rock and North Little Rock, including widening Arkansas River Bridge

# Benefits of Temporary 0.5% Tax

- Completion of widening U. S. Highway 64 to four lanes between Conway and Beebe;
- Completion of widening U. S. Highway 70 to four lanes between I-30 and Hot Springs;
- Completion of widening U. S. Highway 167 to four lanes between I-530 and El Dorado;
- Completion of widening U. S. Highway 412 to four lanes between Paragould and Walnut Ridge;

# Benefits of Temporary 0.5% Tax

- Completion of widening U. S. Highway 425 to four lanes from Hamburg to the Louisiana state line;
- Completion of widening Highway 18 to four lanes between Jonesboro and Blytheville;
- Continuation of widening U. S. Highway 65 to four lanes from Clinton northward;
- Continuation of widening U. S. Highway 65 to four lanes from Bellefonte southward;

# Benefits of Temporary 0.5% Tax

- Continuation of widening U. S. Highway 49 to four lanes from Brinkley southward toward Helena-West Helena;
- Continuation of widening U. S. Highway 270 to four lanes from Hot Springs westward;
- Beginning the widening of U. S. Highway 82 to four lanes between Texarkana and El Dorado.

# ISSUES

**12<sup>th</sup> in system size but 41<sup>st</sup> in revenue**

**Funding system flawed**

**Making good use of what we have**

**4 Lane Grid System needed for safety, mobility and economic development**

**Meeting expectations is difficult**

“Things do not happen. Things are made to happen.”  
- John F. Kennedy

“Difficulties mastered are opportunities won.”  
- Winston Churchill

