

Scott E. Bennett, P.E.
Director



Business 101 – State Chamber of Commerce

Tuesday, December 11, 2018

Challenges

➤ **12th** largest system in the country

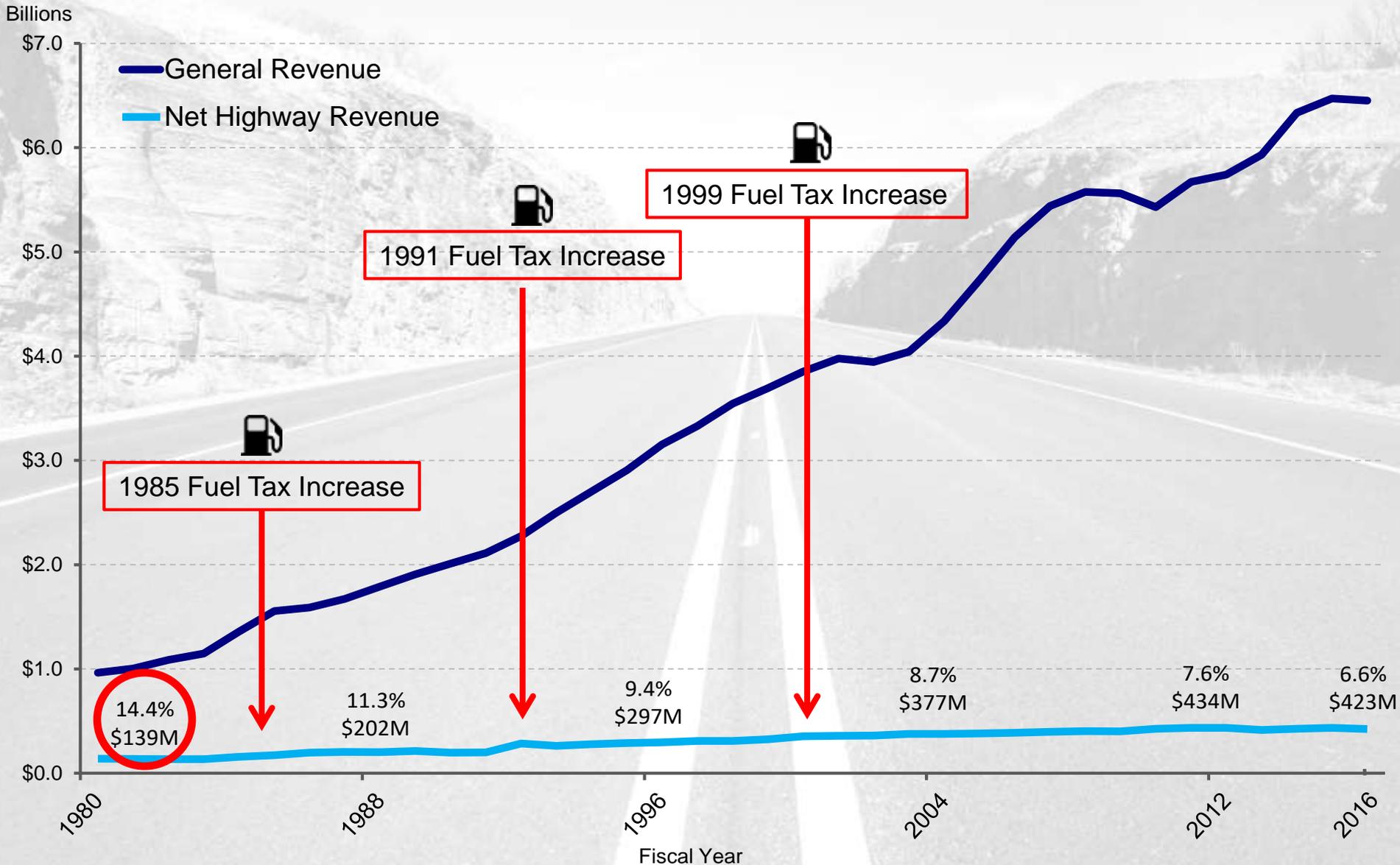
➤ **42nd** in highway revenue per mile.

➤ **\$9.3 billion** in needs

➤ **\$4.5 billion** in available revenue

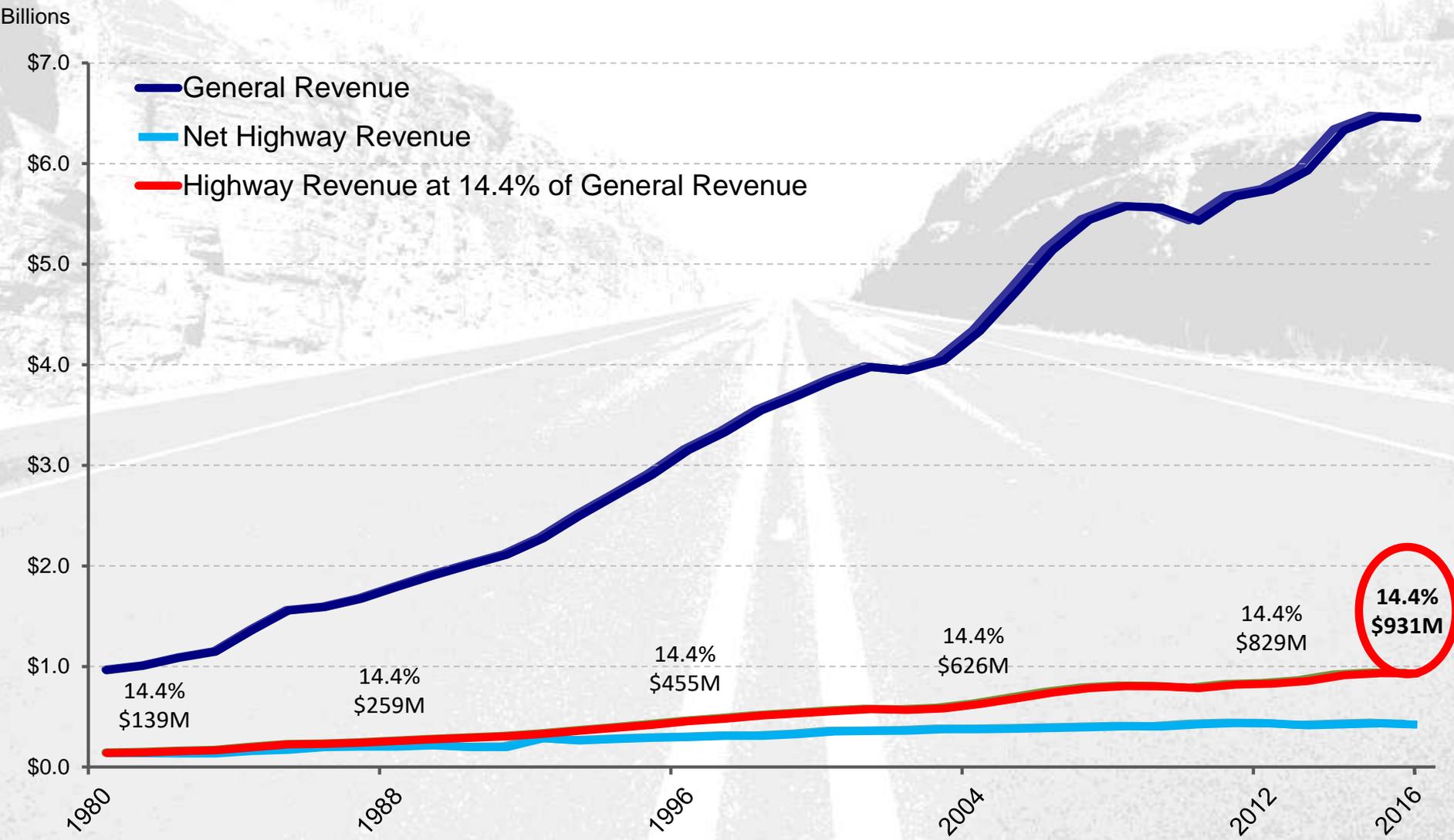


Percent of Highway vs. General Revenue



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



Highways: *Investing In An Asset*

Arkansans Major Public Asset Transportation Infrastructure

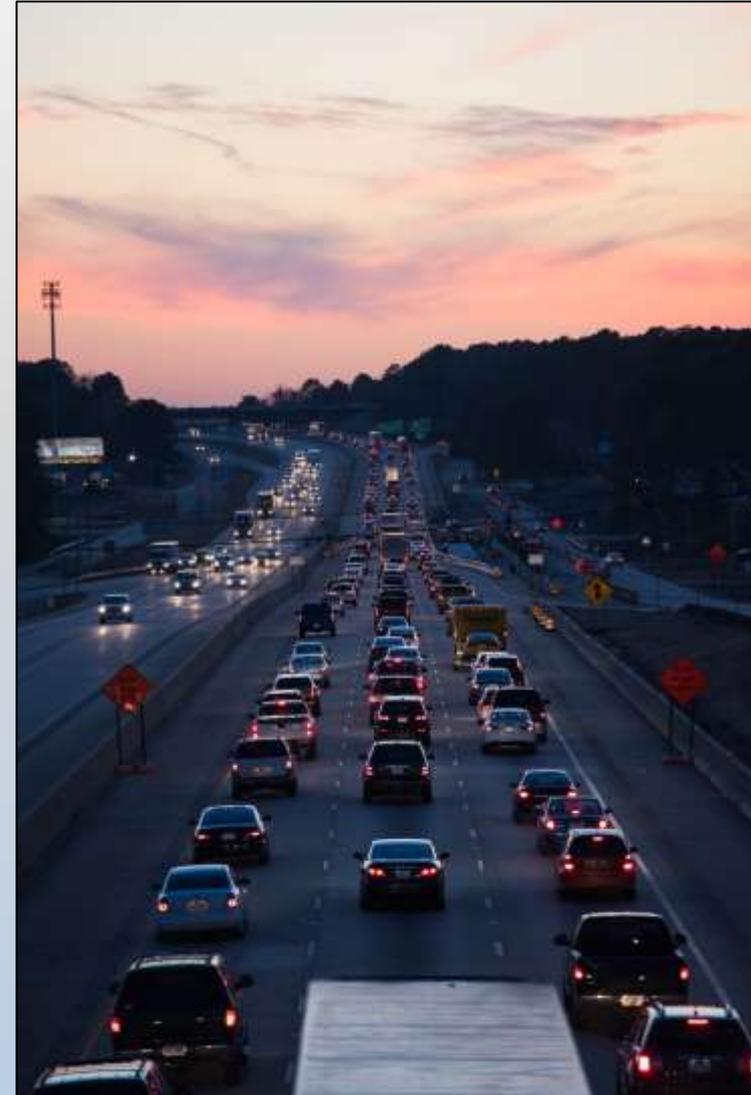
State Highway System	Gross Replacement Value	Average Annual Investment to Maintain State of Good Repair
Roads	\$58.1 Billion	\$387 Million (0.67%)
Bridges	\$11.0 Billion	\$117 Million (1.06%)
Total	\$69.1 Billion	\$504 Million (0.73%)

Based on Arkansas DOT Transportation Asset Management Plan and Legislative Audit Report



Economic Impact of Infrastructure Investment

- Increased Property Values
- Attraction to Businesses
 - ✓ Higher Wages
 - ✓ More Job Opportunities
- Less Expense on Vehicle Wear and Tear = Greater Expendable Income
- Safety Benefits
 - ✓ Reduced Fatalities
 - ✓ Reduced Property Damage



Economic Impact of Infrastructure Investment Consequences of Delayed Maintenance

Apartment Complex Analogy

- **Construction Funding - Investment**
 - ✓ Income Generator
 - ✓ Monthly Rent
- **Maintenance Funding – Unavailable**
 - ✓ Roof Leaks
 - ✓ Roof Deck is Damaged
 - ✓ Mold Develops
 - Monthly Rent Income Decreases
 - Resale Value Decreases
- **Final Result**
 - ✓ Health Department Shuts Down
 - Monthly Rent Income Completely Lost
 - High Cost to Replace/Renovate

*“Assets become a liability
without adequate funding.”
~ Commissioner Tom Schueck*



Infrastructure Investment and Quality of Life

Quality of Life is Directly Linked to:

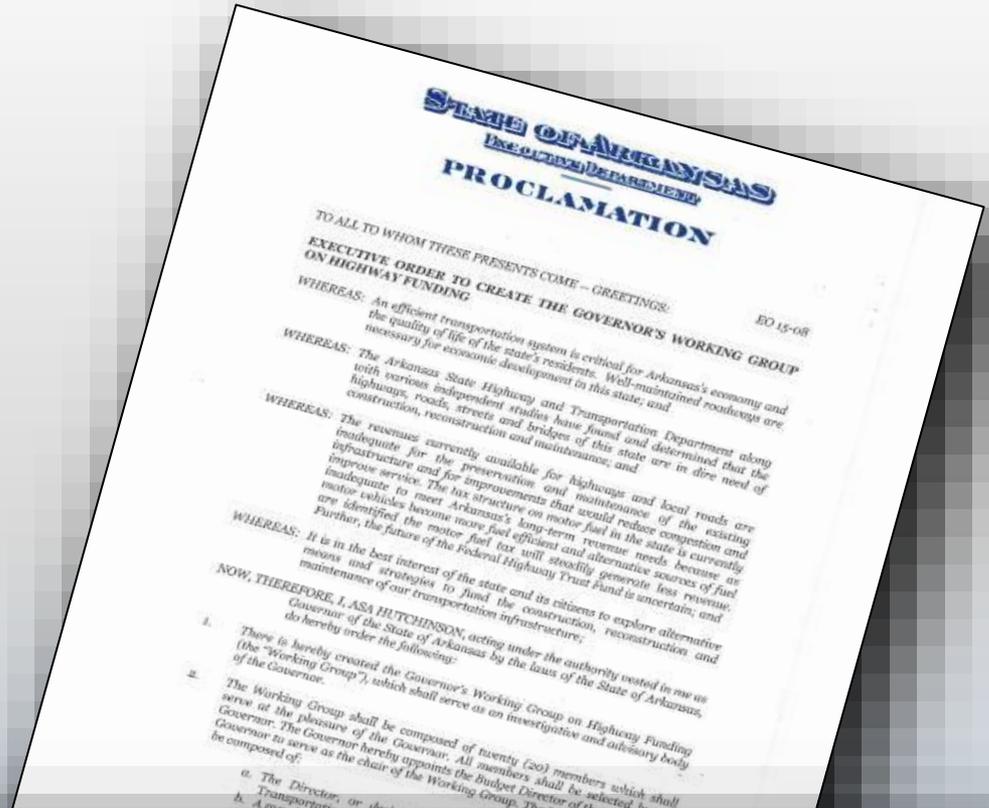
- Reliable Access to:
 - ✓ Housing
 - ✓ Family, Friends, Spirituality
 - ✓ Employment
 - ✓ School
 - ✓ Health Care
 - ✓ Recreation/Entertainment
 - ✓ Consumer Goods
 - ✓ Consumer Services





Level of Investment?



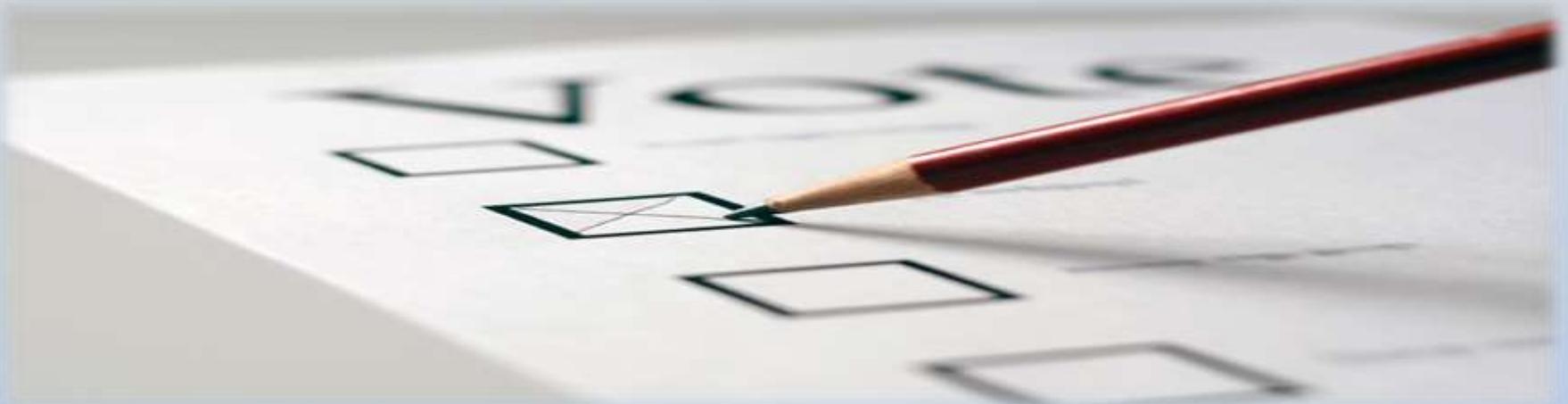


“An efficient transportation system is critical for Arkansas’ economy and the quality of life of the state’s residents.”

□ 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.



Arkansas Legislative Audit

- May 16, 2017 – Arkansas Legislative Audit - Review of Highway Funding
- Purpose:
 - ✓ To review and verify ARDOT information, estimates and calculations related to highway funding
- Report Objectives:
 - ✓ History of funding sources
 - ✓ History of construction and maintenance costs
 - ✓ State match needed for Federal funds
 - ✓ Additional State revenue to meet system preservation needs
 - ✓ History of bond activities



Report Released
August 31, 2017

Special Report Arkansas Legislative Audit

Review of Sources and Uses of Funds

Arkansas Department of Transportation
For the Period July 1, 2009 through June 30, 2016 and
Projected for Fiscal Years 2017 through 2020



INTRODUCTION

This report is presented in response to a request for Arkansas Legislative Audit (ALA) to review information, estimates, and calculations provided by the Arkansas Department of Transportation (ARDOT), formerly known as the Arkansas State Highway and Transportation Department, related to highway funding. ARDOT has indicated that additional state funding is needed to fully maximize available federal funds and to expand non-federal construction and maintenance projects.

OBJECTIVES

The objectives of this report were to:

1. Provide information regarding state funding sources and uses for highways, with associated construction and maintenance costs, for prior years.
2. Determine the amount of matching funds needed annually in order for ARDOT to receive the maximum federal aid available.
3. Determine the amount of additional state revenues needed to fund ARDOT's proposed construction and maintenance program for roads and facilities.
4. Provide a history of bond issuances, including balances and associated costs.

SCOPE AND METHODOLOGY

This report was prepared by reviewing activities for state fiscal years ended June 30, 2010 through 2016, and projections and estimates for federal fiscal years ending September 30, 2017 through 2020. ALA staff reviewed audit reports from prior years, particularly revenues and expenditures related to construction, and determined future federal funding from reports obtained from the Federal Highway Administration. All information for additional construction and maintenance projects was provided by ARDOT and tested for accuracy and reasonableness by ALA staff.

The methodology used in preparing this report was developed uniquely to address the stated objectives; therefore, this report is more limited in scope than an audit or attestation engagement performed in accordance with Government Auditing Standards issued by the Comptroller General of the United States.

BACKGROUND

ARDOT recognizes revenues from both federal and state sources. State revenues include motor fuel taxes, registration fees, natural gas severance fees, and overload permits and penalties. Many highway construction projects are funded with both federal and state monies. The percentage of state participation in these projects varies depending on the federal program involved, but most programs require a 20% match.

ARKANSAS LEGISLATIVE AUDIT

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www.arklegaudit.gov

Report ID: SPSA02516

Report Date: August 31, 2017



Presented to
Legislative Joint
Audit Committee in
September 2017

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

Note: Amounts shown are rounded.

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**Does Not Include
Capital Improvement
Projects**

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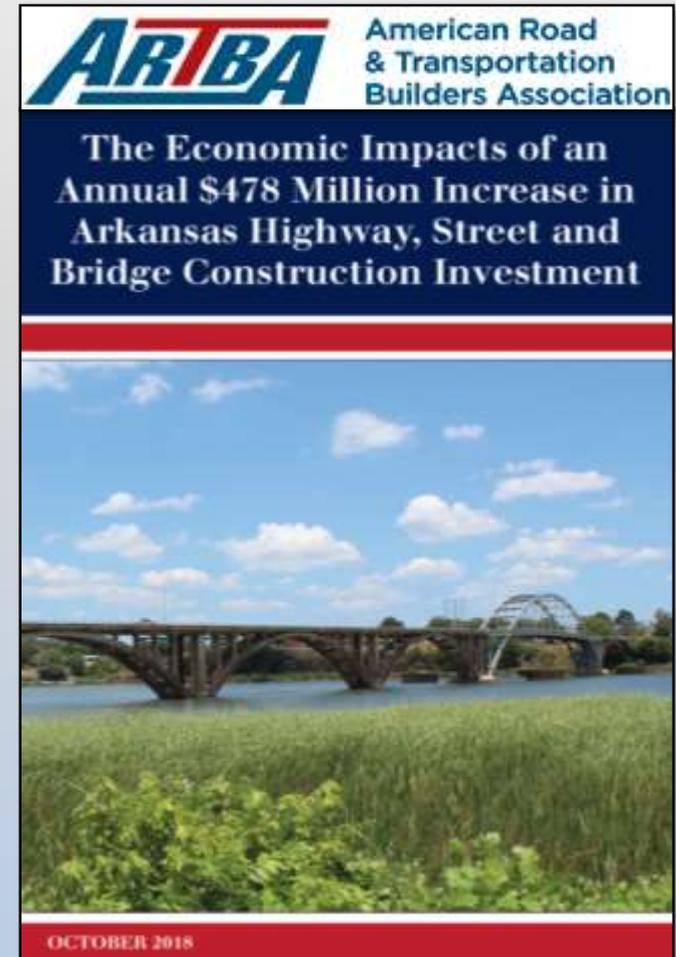


Return On Investment?

American Road & Transportation Builders Association

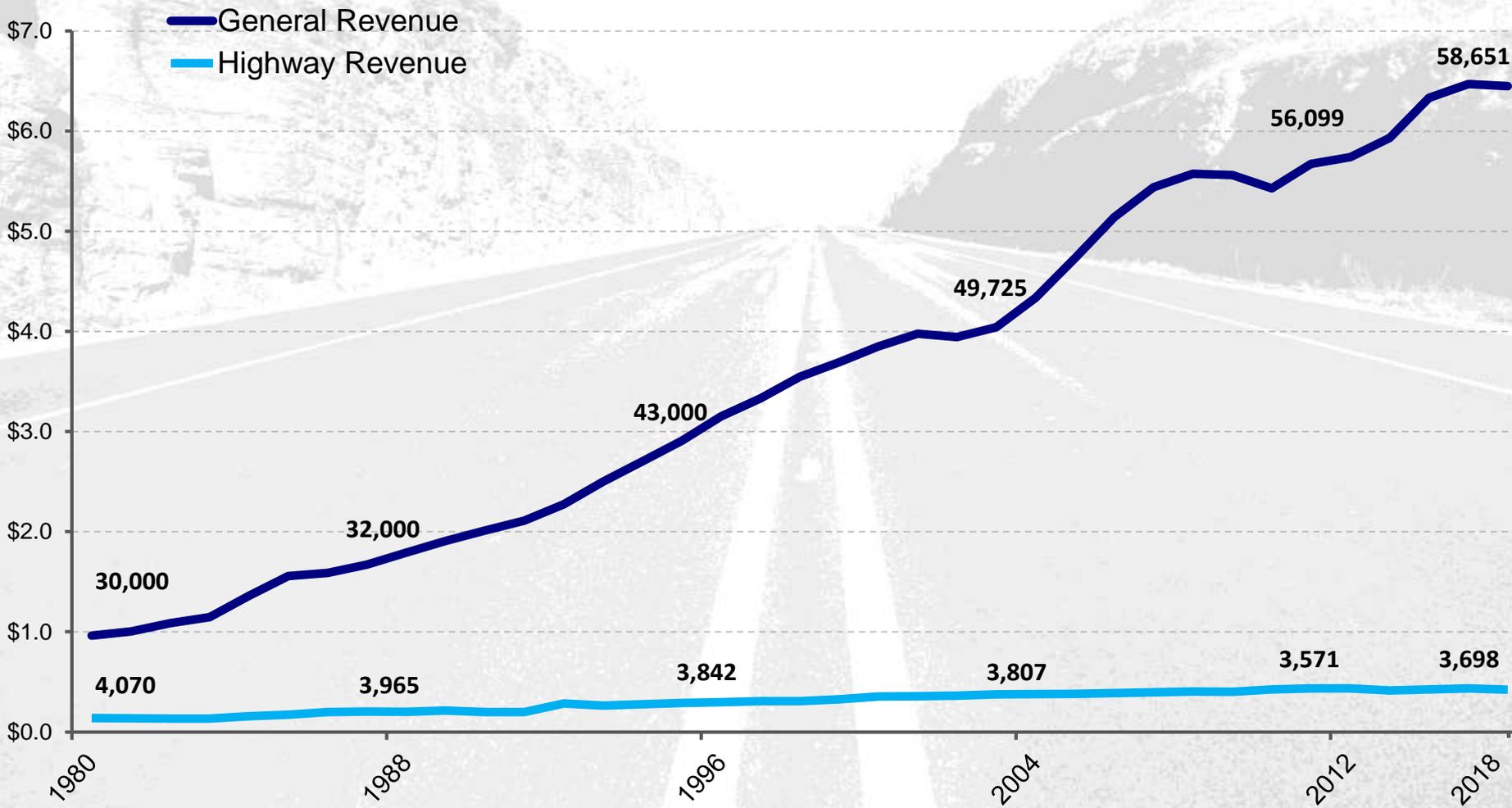
\$478 Annual Investment Results

- **Immediate Economic Benefits of Increasing Investment**
 - ✓ Supports **\$1.3 Billion** in Economic Activity
 - ✓ Supports **5,729 Jobs**
- **Neighbors Are Not Waiting**
 - ✓ Seven Have Raised State Gas Tax
 - ✓ Six Have Variable Gas Tax
 - ✓ Eight Have Electric Vehicle Registration Fees
- **Significant Transportation Challenges**
 - ✓ Safety Needs
 - ✓ Increasing Freight Demands
 - ✓ Impacts From Congestion



Highway vs. General Revenue Compared to Employment Levels

Billions



Excludes County & City Aid funds | Excludes CAP funds

Fiscal Year



Is there Public Interest?



Citizens Opinion Survey

CITIZENS OPINION SURVEY ON HIGHWAYS IN ARKANSAS

MAIL OR EMAIL RESPONSES TO:
 ARDOT
 Public Information
 P.O. Box 2261
 Little Rock, AR 72203
info@ardot.ar.gov

Are you satisfied with the condition of the existing state highway system?

Yes No

What highways in your area need improvements, and what type of improvements do they need?

Priority 1: _____
 Priority 2: _____
 Priority 3: _____
 Priority 4: _____

If you want better highway conditions, the Arkansas State Highway and Transportation Department will need additional funds. Would you support a new highway program that would generate additional revenue?

Yes No

Which of the following sources do you recommend be utilized in obtaining additional funds (check all that apply):

- Increase in gas tax
- Increase in diesel tax
- Increase in sales tax (dedicated to highways)
- Increase in registration fees
- Add sales tax on wholesale price of motor fuels
- Transfer existing sales and use tax on motor vehicles and related parts and service (currently collected but not paid to highways)
- Other: _____

Would you be willing to sign a petition to put a highway revenue proposal on the 2018 general election ballot?

Yes No

How did you hear about this survey?

- Presentation
- Social Media
- Other: _____
- TV/Radio/Print
- Family or Friend
- Website/Search Engine

Optional:

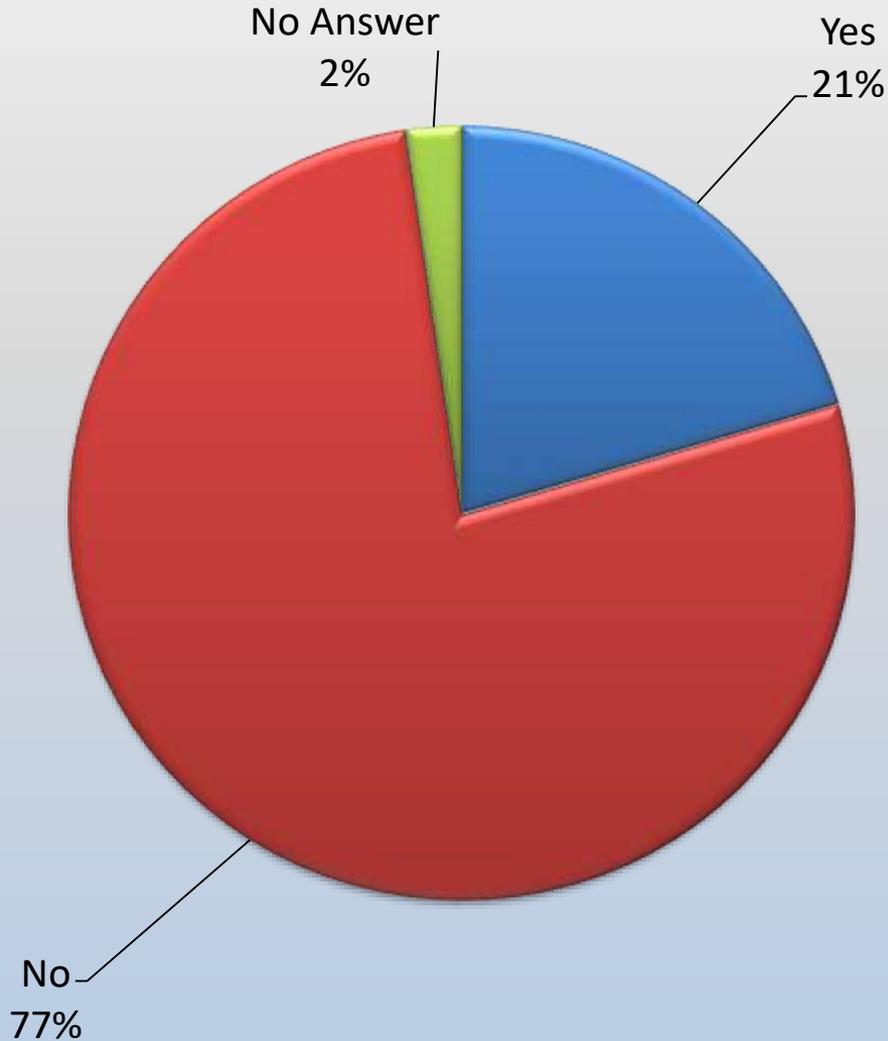
Name: _____
 Address: _____
 City, State, Zip: _____

Online Form Available Here:

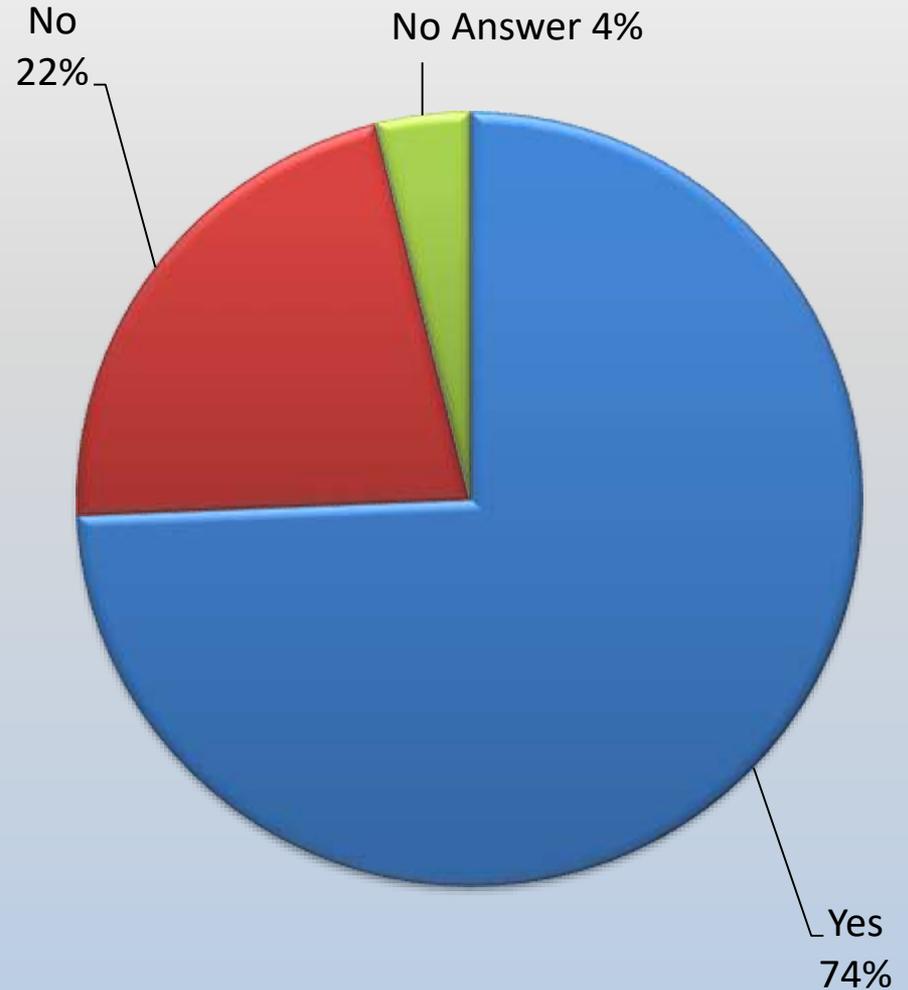


Survey Results

Are you satisfied with the condition of the existing highway system?

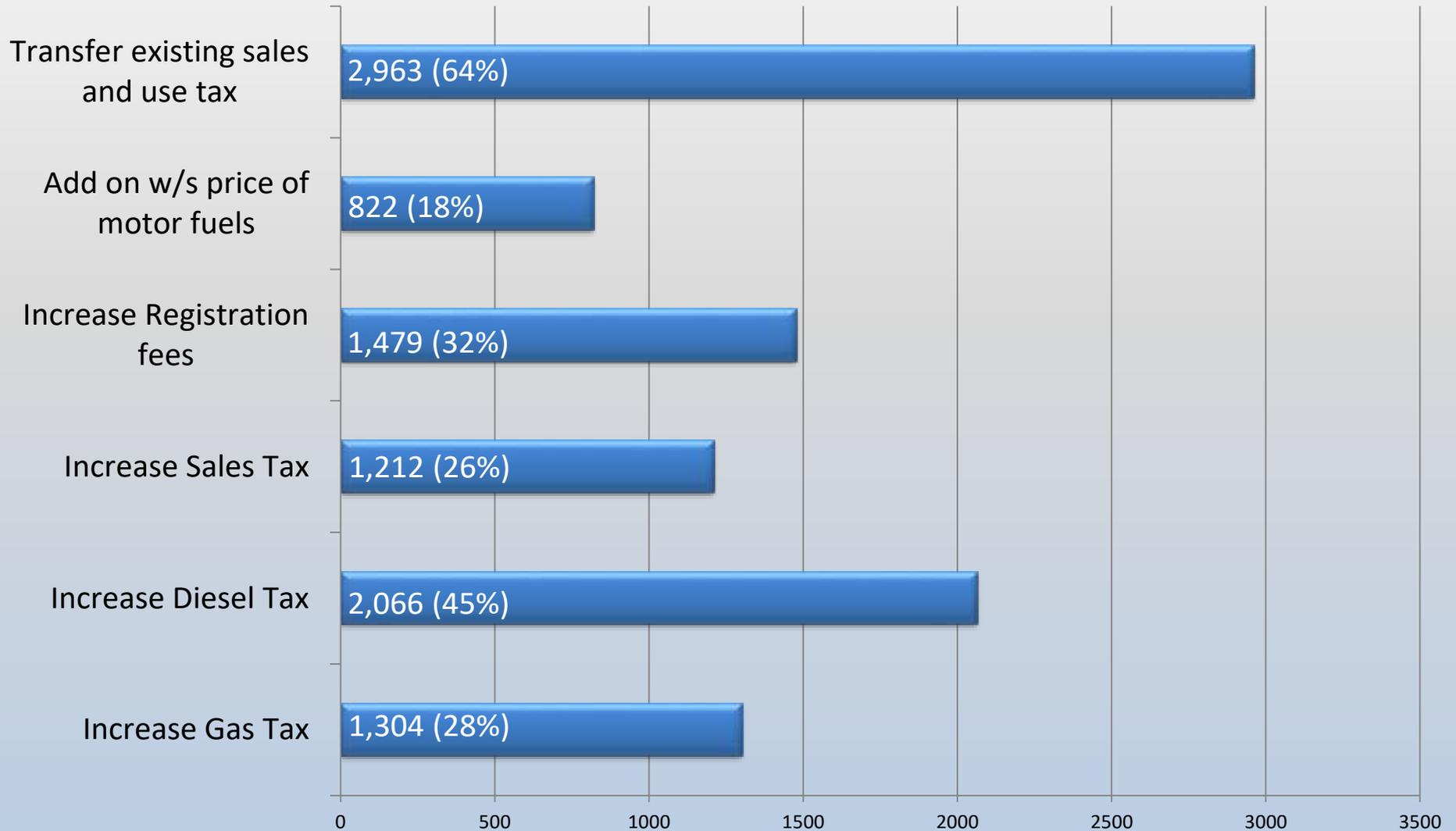


Would you support a new highway program that would generate additional revenue?



Survey Results

Which of the following sources do you recommend be utilized in obtaining additional funds?



Total Road User Revenue

\$1.219 Billion

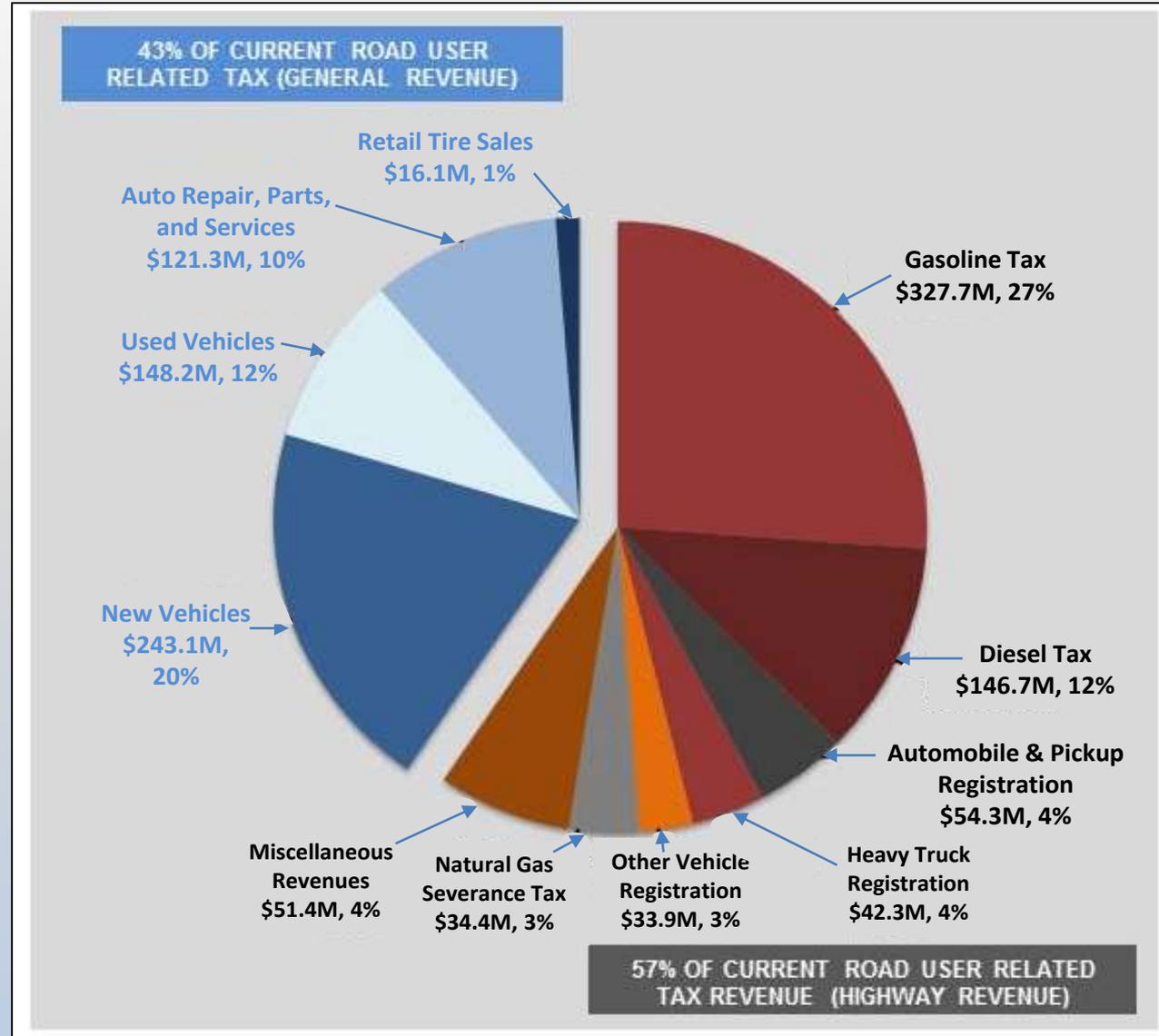
Distribution:

General Revenue

\$528.7 Million (43%)

Highway Revenue

\$690.7 Million (57%)





Your
TRANSPORTATION SYSTEM



Possible Solutions?





Possible Hwy. Funding Sources

State

Increase Motor Fuel Taxes

Increase Registration Fees

Sales Tax on Motor Fuels

Road User Revenue Transfer

Permanent Sales Tax Increase

Other???



Options for Generating Additional Revenue for Highways

Source	\$400 Million for Highways ⁽¹⁾
Fuel Tax	28.4¢
Sales Tax on Fuel (wholesale)	16.67%
Registration Fee	\$208
General Sales Tax ⁽²⁾	1.16%

¹ Amount shown is annual net to highways – after deduction for CFA/CSF and 30% to cities and counties.

² Transfer of 4.5% (“general” portion of statewide sales tax)

Other Considerations

The Shrinking Highway Dollar

Category	1997-2016 Percent Increase
Construction Cost Index	146 %
Overlays – Cost Per Lane Mile	145 %
Bridges Replacement – Cost Per Square Foot of Deck Area	131 %
Widening from 2 to 5 Lanes – Cost Per Mile	139 %

Indexing?

Blue Ribbon Committee Recommendation:

Indexing Current Per-Gallon Tax on Motor Fuels to Arkansas' Highway Construction Cost Index

Governor's Working Group on Highway Funding Recommendation:

Proposal #1 – Going forward, index the motor fuel tax. Limit any increase to 2 cents per gallon.

Proposal #3 – Adjust the existing motor fuel taxes to recoup the amount lost in recent years due to inflation and index to inflation in the future.

Other Considerations

Alternative Fuels

Definition

Methanol, Ethanol and other Alcohols

Blends of Alcohol with Gasoline

Compressed Natural Gas and Liquefied Natural Gas

Liquefied Petroleum Gas (LPG)

Nitrogen

Electricity

Propane

Promotion Versus Parity Issue

Complex

Annual Flat Fee

57-Empowered Corporation?

Vehicle Miles Traveled

FAIRNESS



Other Considerations

Bond Financing Pros

- Funds immediately available

Bond Financing Cons

- Interest costs erode your buying power

	<u>Total Spent</u>	<u>Principal</u>	<u>Interest</u>
IRP	\$ 762.5 million	\$ 575.0 million	\$ 187.5 million
	Interest as a percentage of total cost		24.60%
	<u>Total Spent</u>	<u>Principal</u>	<u>Interest</u>
CAP	\$ 620.2 million	\$ 468.9 million	\$ 151.3 million
	Interest as a percentage of total cost		24.39%



Questions?



- ARDOT.gov
- ConnectingArkansasProgram.com
- Vimeo.com/myARDOT
- IDriveArkansas.com
- Twitter.com @myARDOT



@myARDOT

