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# MEMORANDUM

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Date: January 16, 2018

To: The Honorable Chair and Members  
Pima County Board of Supervisors

From: C.H. Huckelberry  
County Administrator 

Re: **Arizona Association of County Engineers - Roadway Needs Study Draft Study Findings**

Attached is a recent report by the Arizona Association of County Engineers that confirms every county in Arizona is in critical need of additional transportation funding. I have highlighted these same issues to the Board of Supervisors for the last eight years.

The article shows not all transportation agencies in every county throughout Arizona can adequately maintain their roads. Most counties report they are uncertain if they will be able to maintain their transportation system for the next 10 years.

Highway User Revenue Funds (HURF) and Vehicle License Taxes are stagnant; the gas tax has not been increased in 27 years; there are no funds available for capacity or mobility improvements; and legislative sweeps of the HURF continue at significantly high amounts. The solution is obvious – more revenues are necessary. Taxes at the State level remain tepid leaving each individual county to fend for itself. Many counties have and will continue to enact new taxes, primarily sales taxes, to supplement traditional transportation revenue and tax sources.

13 out of 15 counties now have a General Fund Excise tax. Seven counties have a Jail Excise Tax and two counties have a Health Hospital Services Excise Tax. One county has a secondary Jail District Property Tax. Four counties have a secondary Health/Hospital District Property Tax. Pima County does not have any of these taxes.

It is clear Pima County must adopt a General Fund sales tax to address road repair, both in the unincorporated area of the County as well as in all cities and towns in Pima County.

CHH/anc

Attachment

c: Carmine DeBonis, Jr., Deputy County Administrator for Public Works  
Ana Olivares, Director, Transportation Department  
Chair and Members, Sales Tax Advisory Committee  
Chair and Members, Transportation Advisory Committee



ARIZONA ASSOCIATION OF COUNTY ENGINEERS

# ROADWAY NEEDS STUDY

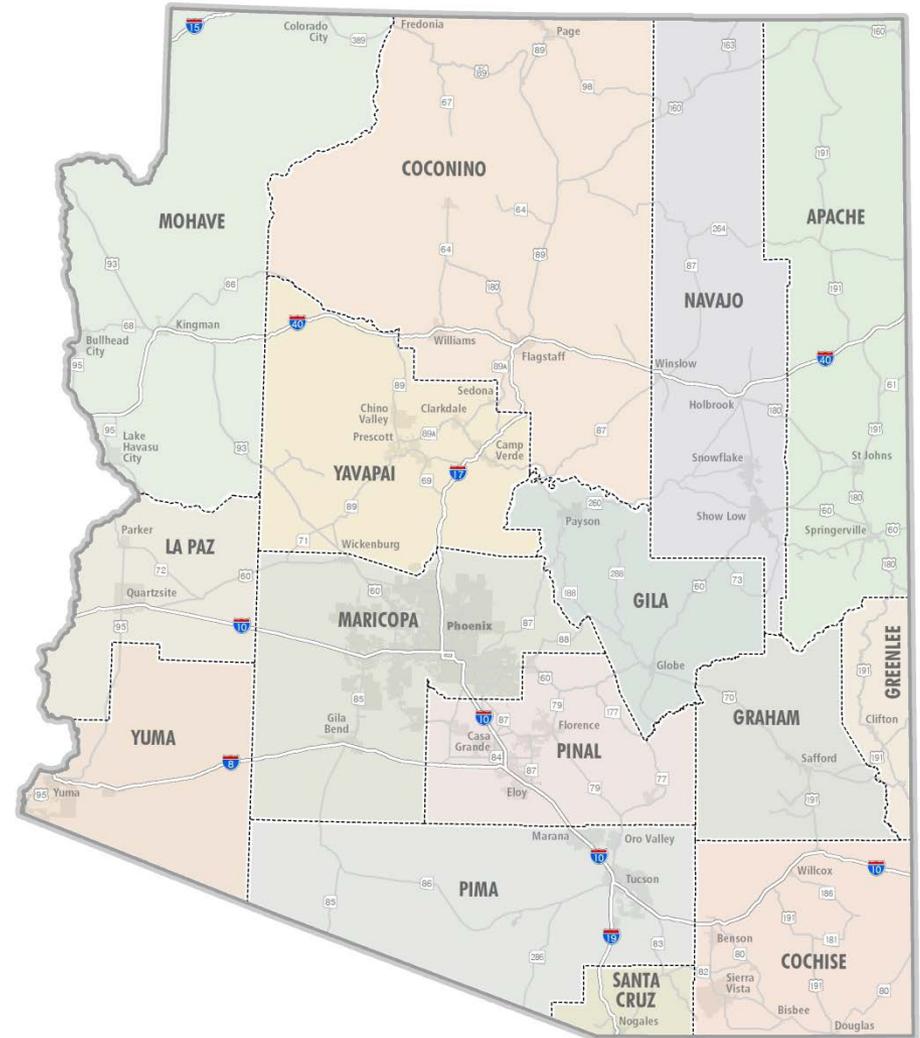
## Draft Study Findings





# Study Overview

- Fifth update
- Purpose:
  - » Evaluate roadway and bridge conditions
  - » Assess funding shortfalls
  - » Educate



Source: Arizona Department of Transportation 2015; Arizona Land Resource Information System 2015



# Study Elements

- ✓ Evaluated 10% of county roadway system
- ✓ Planning-level analysis:
  - pavement
  - bridge evaluation
  - safety conditions
- ✓ Developed planning-level cost estimates to preserve and maintain system

## What study does not include:

- ✗ New capacity related projects
- ✗ Transit, pedestrian, bicycle, and trail infrastructure
- ✗ Detailed safety evaluations
- ✗ Engineering level cost estimates



# The Current System

## ARIZONA COUNTIES

TOTAL COUNTY MILEAGE*	20,800 mi
PAVED ROAD MILEAGE	9,100 mi
UNPAVED ROAD MILEAGE	11,700 mi

\* County owned and maintained roads

DID YOU KNOW?



**1.4 million**  
2016 UNINCORPORATED  
COUNTY POPULATION



**1.7 million**  
2027 UNINCORPORATED  
COUNTY POPULATION

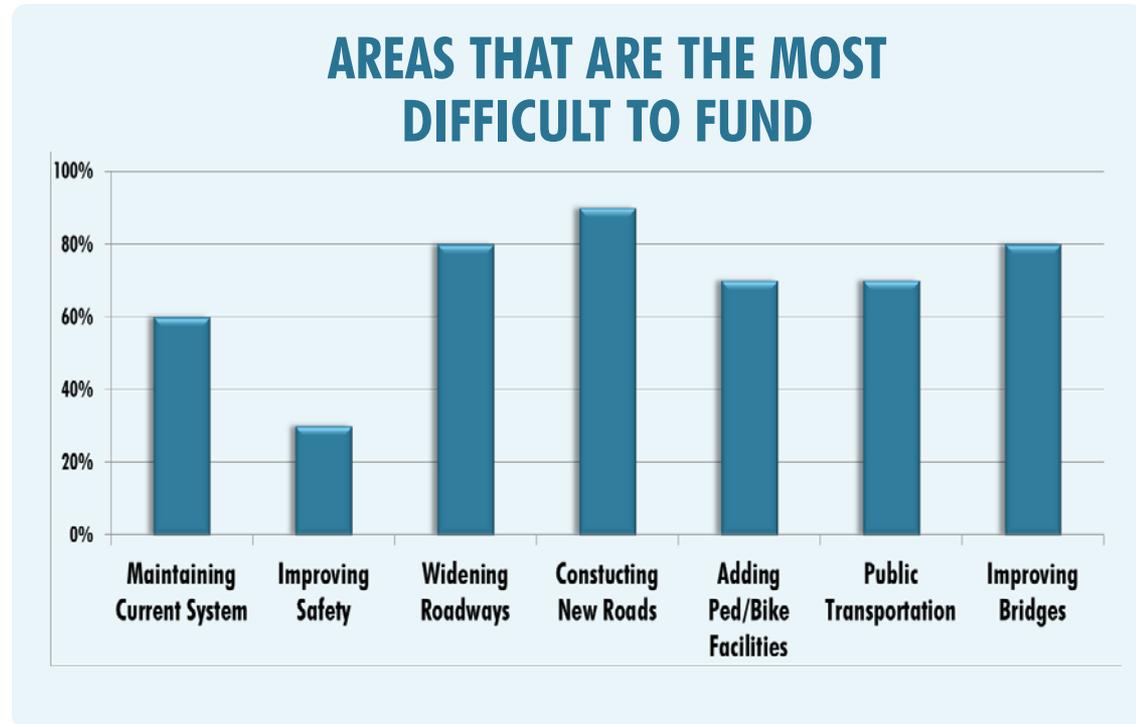


**21 PERCENT**  
Population increase



# Arizona County Engineers Survey

- Inadequate funding :
  - » Hire and retain skilled personnel
  - » Replace aging infrastructure
  - » Maintain current system





# Arizona County Engineers Survey



**50% DAILY CALLS**  
regarding roadway conditions



**90% DELAY**  
repairs and maintenance due  
to budget constraints



**NEW ROADS**  
first program for budgets cuts



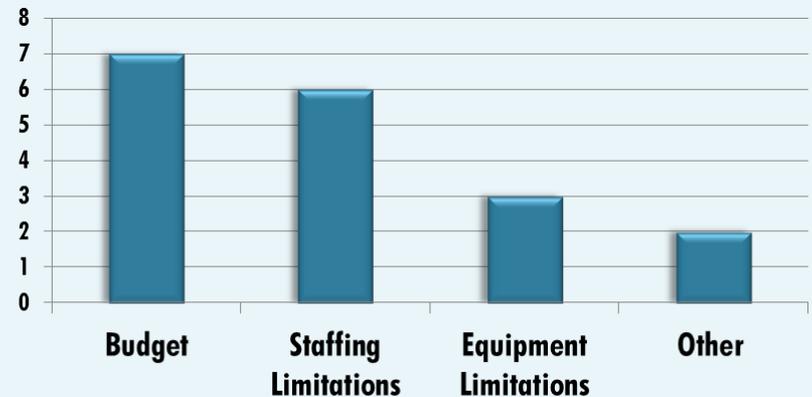
**ADDITIONAL STAFF**  
cited as the primary resource the  
counties are lacking



**70% NOT  
CONFIDENT**

they can maintain their roadway  
network for the next 10 years

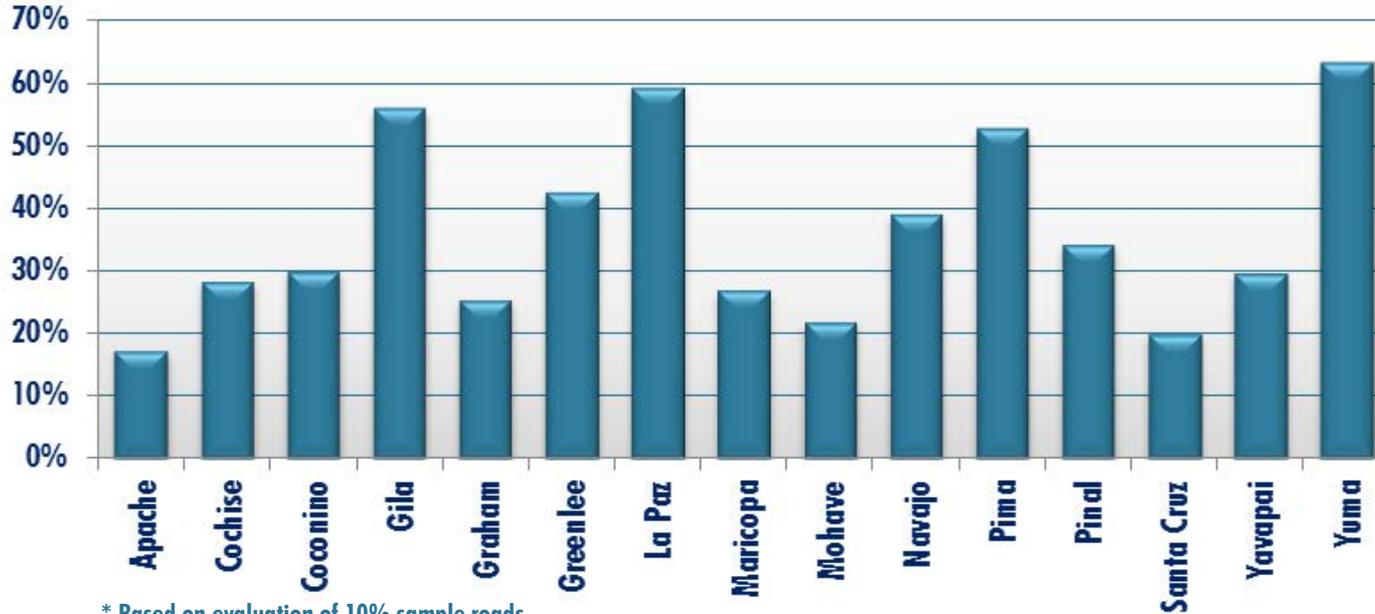
## WHAT STANDS IN THE WAY OF MAINTENANCE





# Current Roadway Conditions

PERCENT OF SURVEYED ROADS IN POOR CONDITION\*



\* Based on evaluation of 10% sample roads



**35 PERCENT**  
COUNTY MAINTAINED ROADS IN  
POOR TO VERY POOR CONDITION



**\$1.65 BILLION**  
COST TO BRING ROADS TO A  
STATE-OF-GOOD-REPAIR

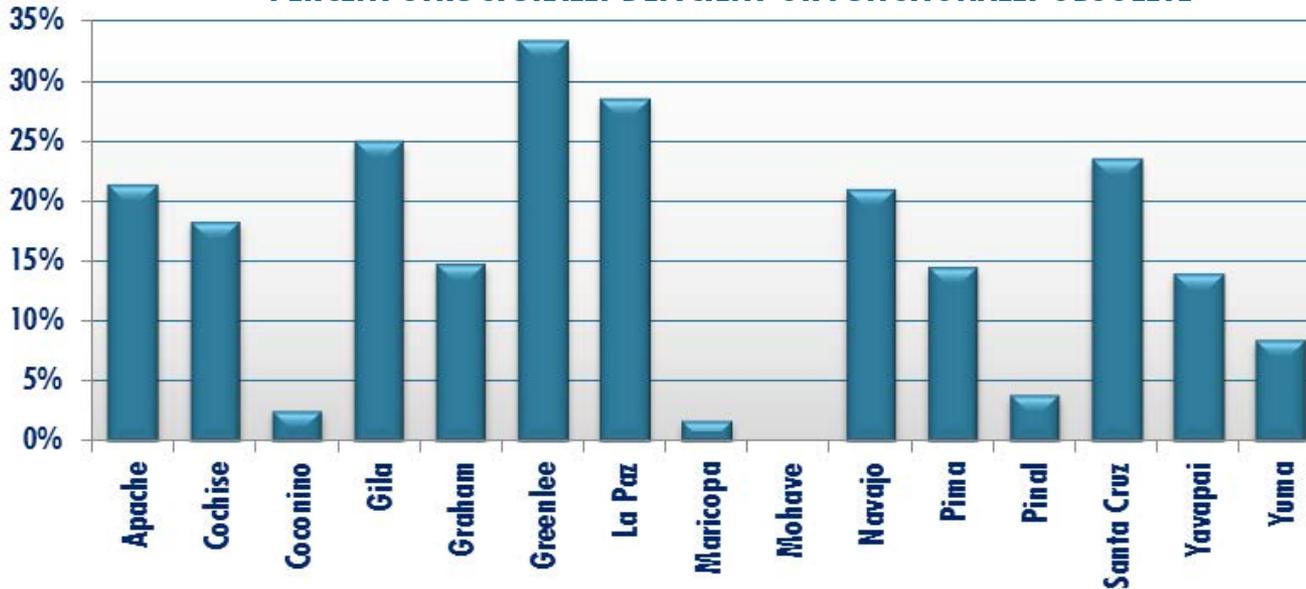


**\$885 MILLION**  
COST TO MAINTAIN ROADWAYS  
FOR THE NEXT TEN YEARS



# Current Bridge Conditions

PERCENT STRUCTURALLY DEFICIENT OR FUNCTIONALLY OBSOLETE



**10 PERCENT**  
COUNTY MAINTAINED  
BRIDGES ARE STRUCTURALLY  
DEFICIENT OR FUNCTIONALLY  
OBSOLETE

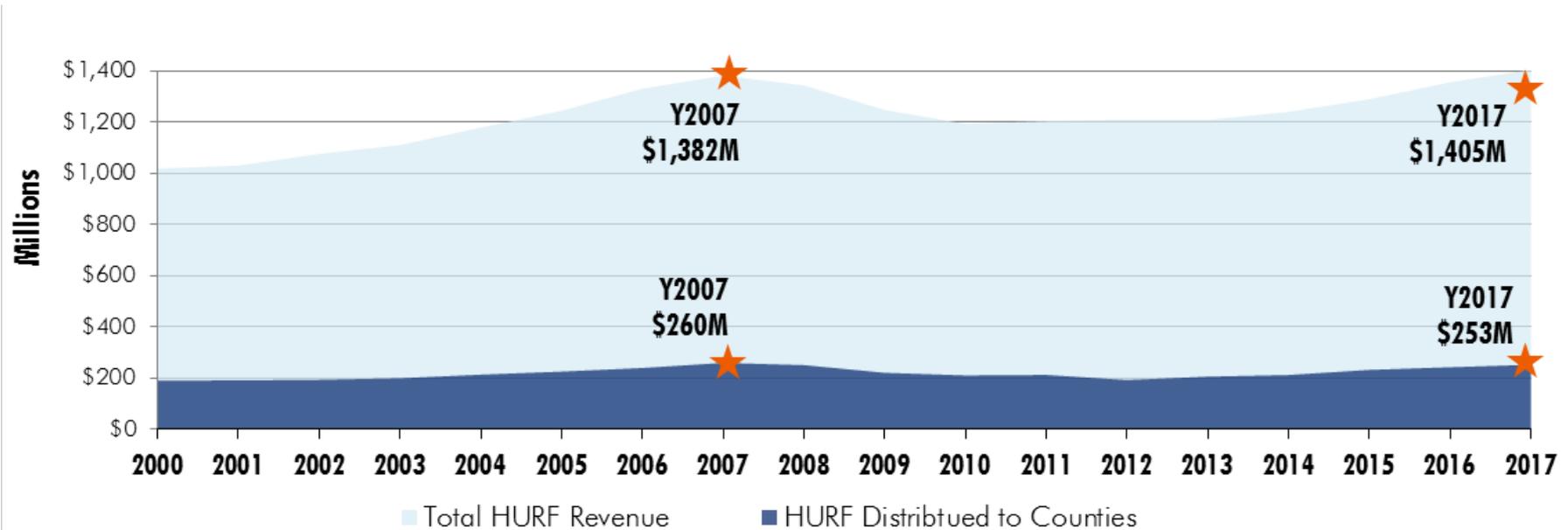


**\$204 MILLION**  
COST TO BRING BRIDGES TO A  
STATE-OF-GOOD-REPAIR AND  
MAINTAIN FOR THE NEXT 10  
YEARS

**24 PERCENT**  
50 YEARS OR OLDER  
**36 YEARS**  
AVERAGE AGE OF BRIDGES  
**18.8 MILES**  
AVERAGE DETOUR LENGTH

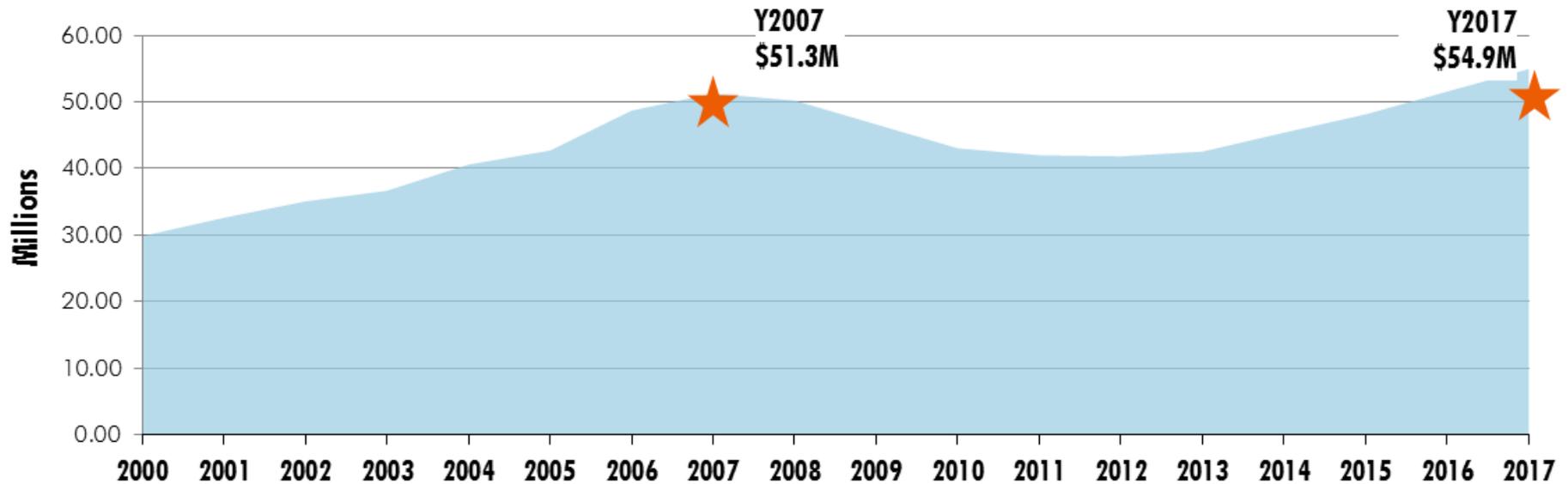


# Revenue Sources – Highway User Revenue Funds (HURF)





# Revenue Sources – Vehicle License Tax (VLT)

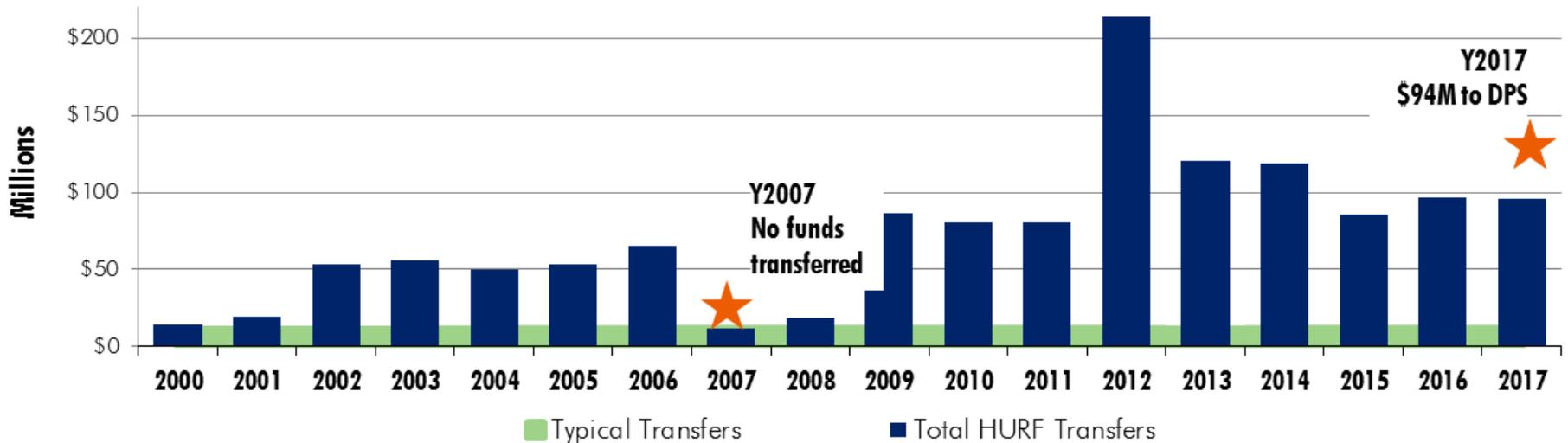




# Funding Issues – HURF Sweeps



Since 2000, **240 million of HURF funds** have been transferred to support MVD and DPS





# Funding Issues - Gasoline Excise Tax

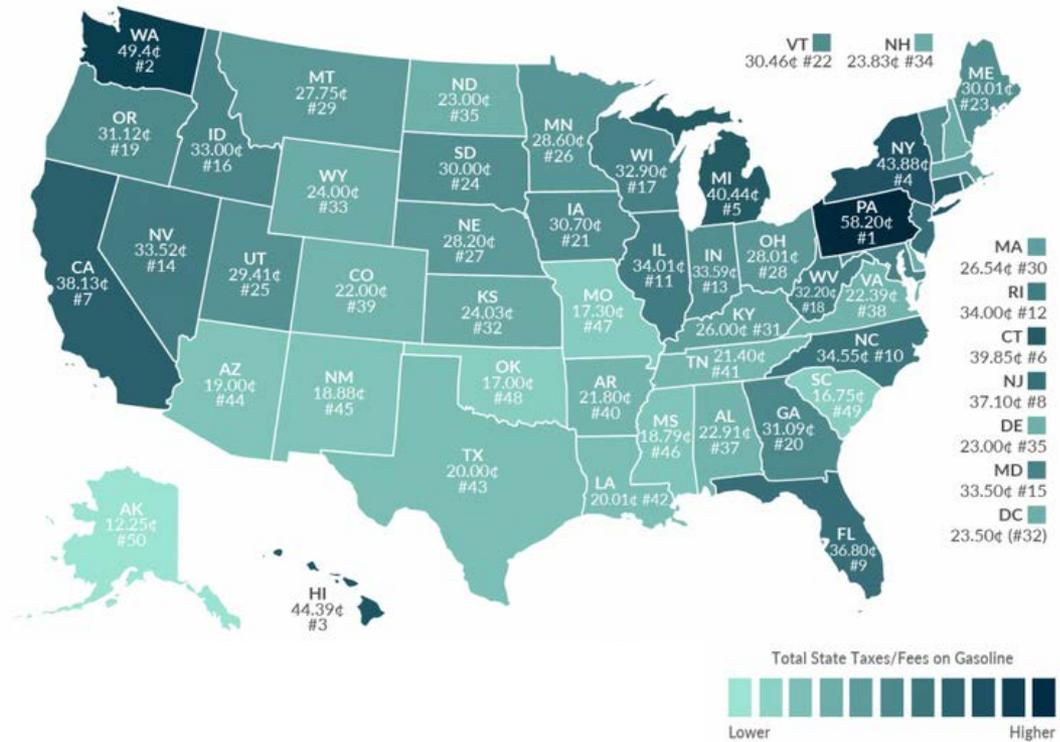
- Gasoline excise tax is the primary source of HURF funds.



**7<sup>th</sup> lowest rate in the nation**



**Have not been raised for 27 years**





# Funding Issues - Declining Purchasing Power

 **+65% increase  
Personnel costs**

 **+80% increase  
Construction costs**

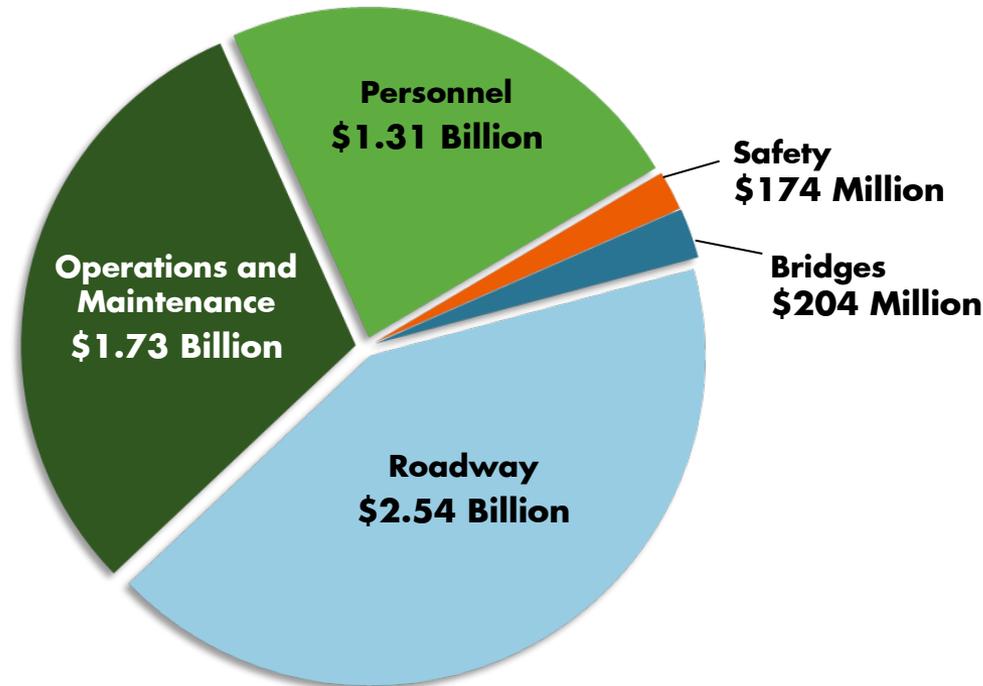


**VALUE OF THE DOLLAR**  
**\$1 in 1998 = \$0.66 Now**



# Projected Expenditure Needs

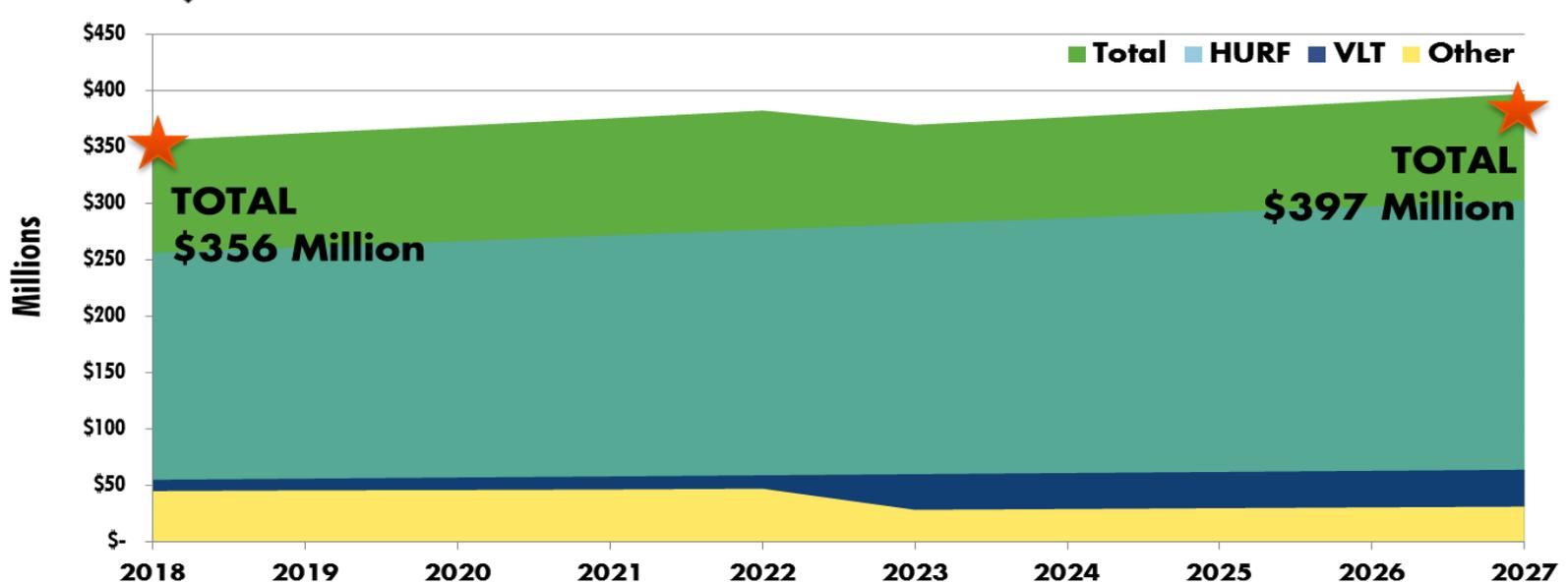
**\$5.96 Billion**





# Projected Revenues

**\$3.76 Billion**





# Needs Based Gap

 **FUNDING GAP**  
**-\$2.20 Billion**

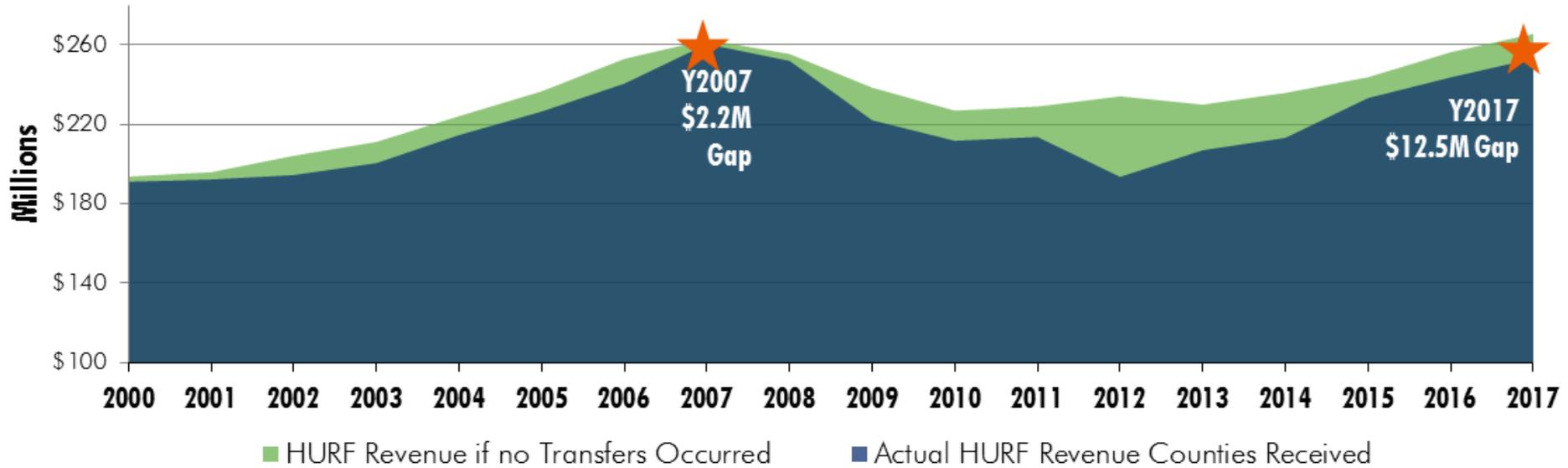
**REVENUE**  
 **\$3.76**  
**Billion**

**EXPENDITURES**  
 **\$5.96**  
**Billion**





# Action – Stop HURF Sweeps





# Next Steps

- Draft Report and Executive Summary to County Engineers: End of January
- Final Report and Executive Summary to County Engineers: Mid February



# Contact Information

## **Denise Lacey**

**Planning Branch Manager**

**Transportation System Management**

**Maricopa County Department of Transportation**

2901 W. Durango St, Phoenix, AZ 85009

Email: [DeniseLacey@mail.maricopa.gov](mailto:DeniseLacey@mail.maricopa.gov)

Phone: 602.506.6172

## **Vamshi Yellisetty**

**Transportation Project Manager**

**Jacobs Engineering**

101 N. 1<sup>st</sup> Ave, Suite 2600, Phoenix, AZ 85003

Email: [Vamshi.Yellisetty@jacobs.com](mailto:Vamshi.Yellisetty@jacobs.com)

Phone: 602.530.1603



ARIZONA ASSOCIATION OF COUNTY ENGINEERS

# ROADWAY NEEDS STUDY

# ANY QUESTIONS?

5/18/2017

