

# Transportation Needs & Funding: Where do we go from here?

Surface Transportation  
Funding Task Force  
September 28, 2016



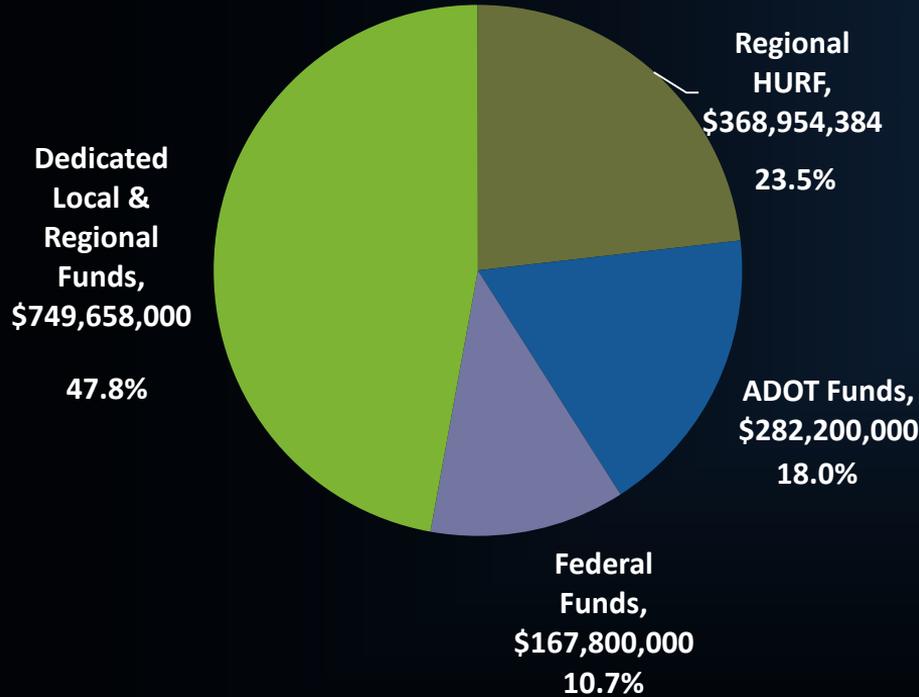
# Best Driving Experience in the World – Phoenix



Waze is the world's largest community-based traffic and navigation app.

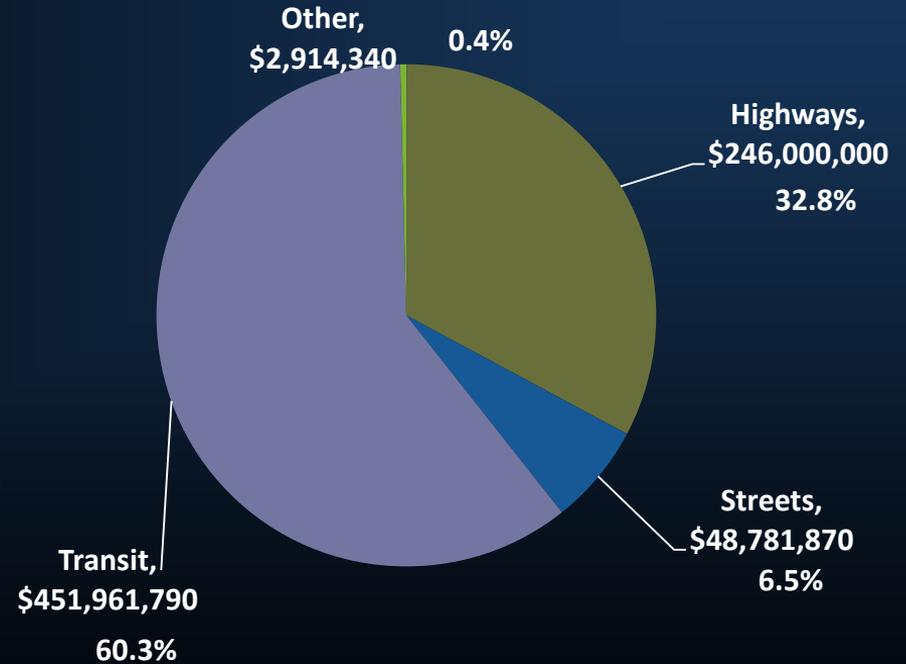


## Major Sources of Transportation Revenue in Maricopa County (estimated for FY 2017)



**Total Major Sources: \$1.568 billion**

## Uses of Local & Regional Funds (estimated for FY 2017)



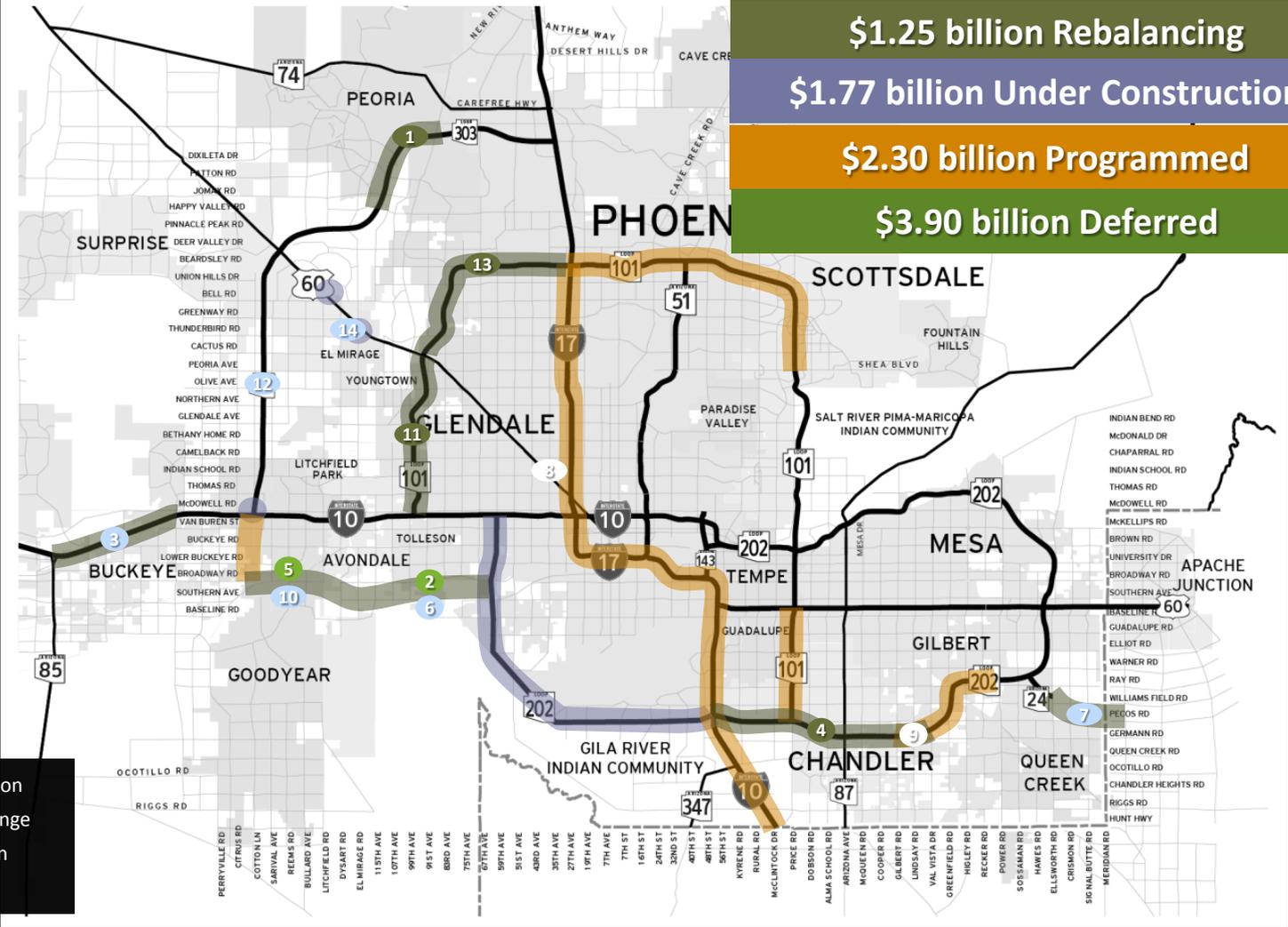
**Local & Regional Funds: \$749.6 million**

**\$1.25 billion Rebalancing**

**\$1.77 billion Under Construction**

**\$2.30 billion Programmed**

**\$3.90 billion Deferred**



- New Construction
- Traffic Interchange
- ROW Protection
- Technology

**REPRESENTATIVE  
PROJECTS FOR  
PRESENTATION  
PURPOSES ONLY.**

Final determination will be completed with the fiscally-constrained NexGen Regional Transportation Plan.

**Illustrative Projects = \$8.7 bil.**

**I-11/Hassayampa**  
New Freeway, Interstate 10 to US-93

**Interstate 10/Papago**  
Add Lanes, 459th Ave to Verrado Way

**Arizona SR-30**  
Freeway Conversion, SR-85 to Loop 303  
Add Lanes, Loop 303 to Loop 202  
New Freeway, Loop 202 to I-17

**Loop 303**  
New Freeway, SR-238 to SR-30

**Arizona SR-85**  
Freeway Conversion, I-8 Interchange  
Interstate 8 to Interstate 10

**Loop 303**  
Add Lanes, SR-30 to Interstate 17

**US-60/Grand Ave**  
COMPASS Improvements

**Interstate 17**  
Add Lanes, Anthem Way to Yavapai County

**Interstate 10/Interstate 17 Spine**  
Add Lanes, Loop 202 to Loop 101

**SR-24/Gateway**  
Meridian Rd to US-60/SR-79

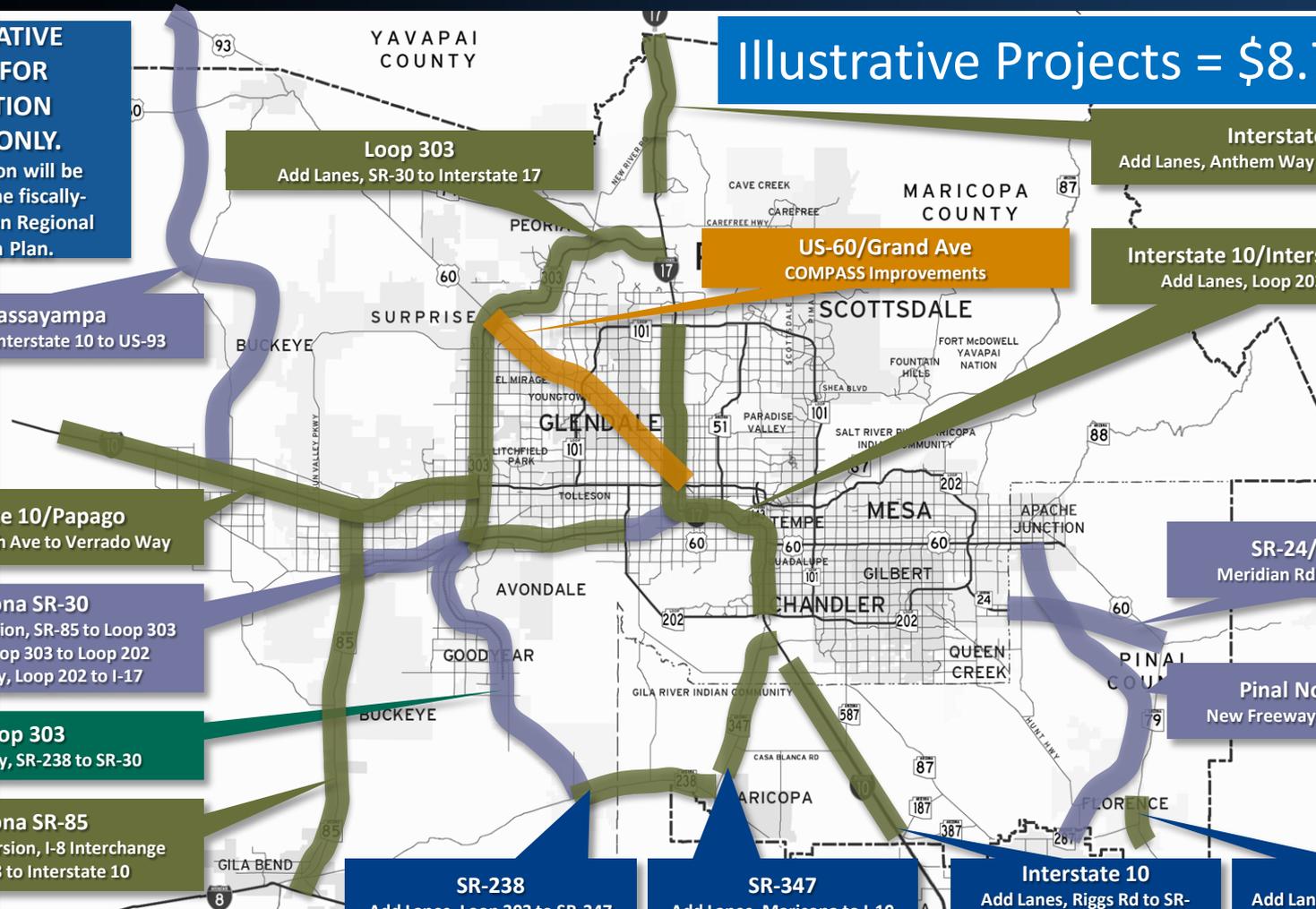
**Pinal North-South**  
New Freeway, SR-287 to US-60

**SR-238**  
Add Lanes, Loop 303 to SR-347

**SR-347**  
Add Lanes, Maricopa to I-10

**Interstate 10**  
Add Lanes, Riggs Rd to SR-387

**SR-79**  
Add Lanes, SR-79B (South) to Hunt Hwy



# Illustrative Projects

## REGIONAL FREEWAY AND HIGHWAY PROGRAM

Improvements	Cost Opinion
<b>New Freeway Corridors</b> Interstate 11, SR-24, SR-30, Loop 303, Pinal North-South	<b>\$5,500 million</b>
<b>Add Lanes</b> I-10, I-17, SR-79, SR-85, SR-238, Loop 303, SR-347	<b>\$1,900 million</b>
<b>New DHOV and Service Interchanges</b> Unspecified; up to 12 locations	<b>\$300 million</b>
<b>US-60/Grand Ave COMPASS</b> Operational and Access Management Improvements	<b>\$500 million</b>
<b>Operations and Maintenance for Illustrative Projects</b>	<b>\$500 million</b>
	<b>\$8.7 billion</b>

# ADOT Roadways within MAG Region

**\$80.8 million**

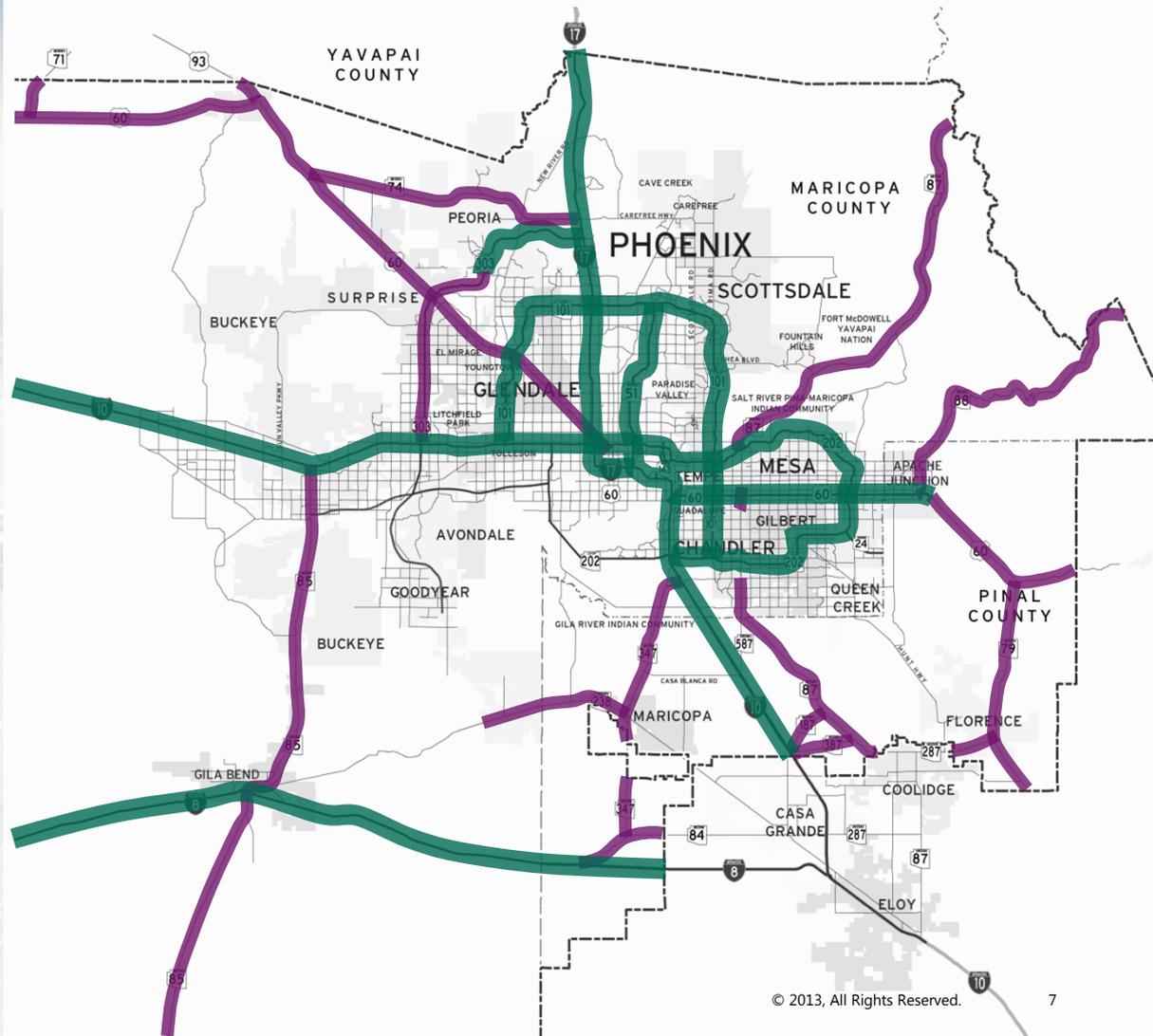
Annual Operations and Maintenance  
Costs

**\$67.4 million**

Fwy Operations and Maintenance Costs

**\$13.4 million**

Hwy Operations and Maintenance Costs



# 2013 Operations and Maintenance Costs



- Pavement Preservation (not Quiet Pave).
- Bridge Scour and Deck Maintenance.
- Drainage/Pumps.
- Deck Park Tunnel.
- Lighting.
- Traffic Operations.
- Litter/Graffiti.
- Signs, Signals, and Striping.

Source: FY2013-FY2017 State Transportation Improvement Program, ADOT, retrieved September 2013.

# Operations and Maintenance Costs with New Corridors



# “Big Budget” Maintenance Items

## By 2040:

- Quiet Pavement Replacement – up to **three applications**.
- Interstate 10/Interstate 17 traffic interchange - “The Stack” - structure rehabilitation and deck replacement.
- Deck Park Tunnel Maintenance.
- Pump Replacement and Rehabilitation.



**Rough Estimate - \$1.0 billion**

# Needs Summary

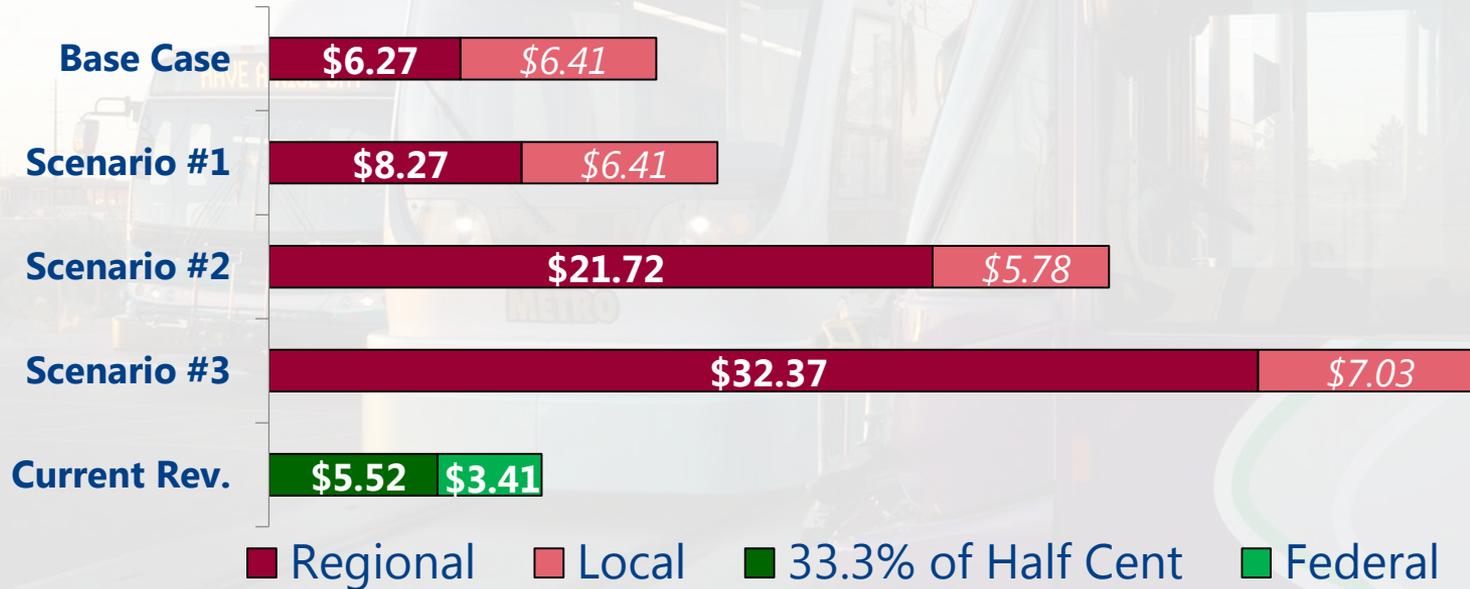
## REGIONAL FREEWAY AND HIGHWAY PROGRAM

Category	Cost Opinion
<b>Deferred Proposition 400 Projects</b>	<b>\$3.9 billion*</b>
<b>Illustrative Projects (2032-2040)</b> Interstate 11, Pinal North-South, SR-24, SR-30, SR-85	<b>\$8.7 billion*</b>
<b>Annual Operations and Maintenance</b> 2025 System thru 2040	<b>\$2.4 billion</b>
<b>Large Maintenance Projects</b> Quiet Pavement Preservation, The Stack, Deck Park Tunnel	<b>\$1.0 billion</b>
	<b>\$15.6 billion</b>

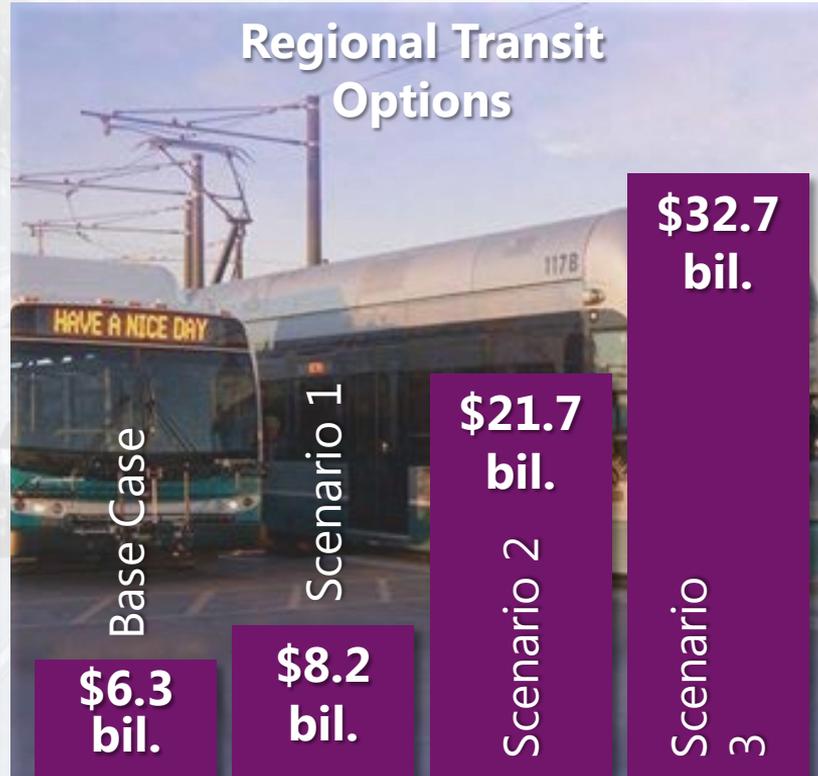
\*Includes Operations and Maintenance for that project phase.

Source: Maricopa Association of Governments, September 2013.

# Combined Transit Capital and Operations Estimates for 20 Years (billions of 2013 dollars)

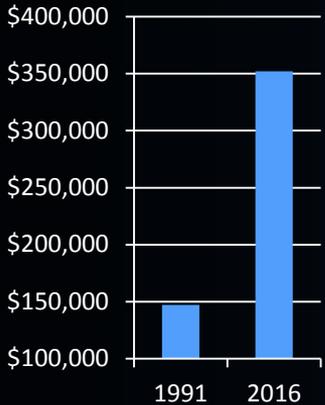


# Needs Summary



# What has Happened since 1991?

## New Home Prices



139.2%



## Price of a Honda Accord



87.3%



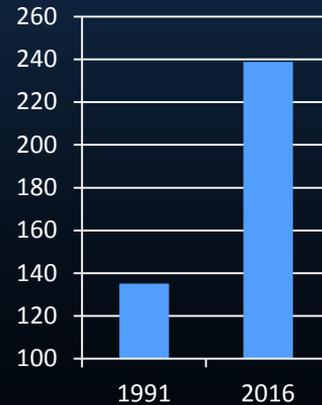
## Median Household Income



87.6%



## Consumer Price Index



76.6%



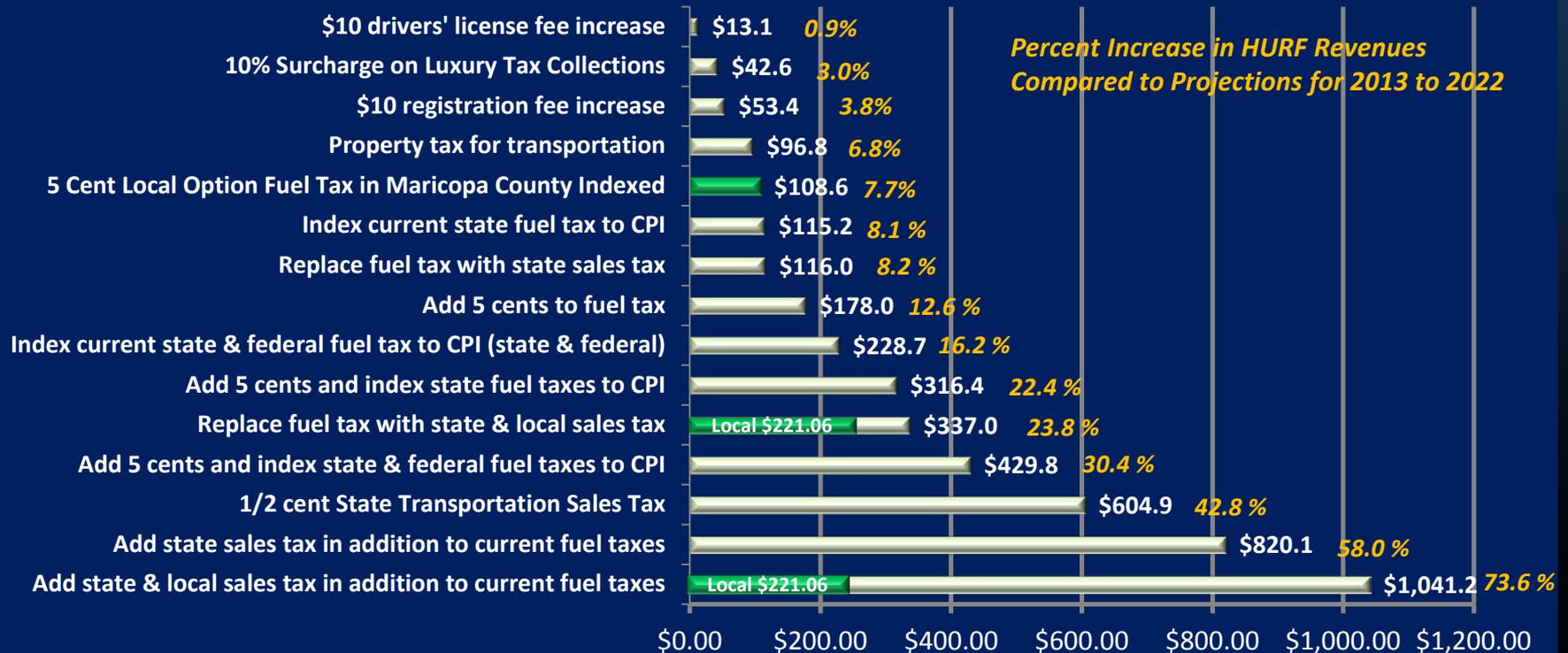
## Arizona Gas Tax



0.0%

# Potential Transportation Revenue Sources

## Annual Average Net New Statewide Revenue 2013 to 2022 (millions of dollars)



# Revenue Categories

## Fuel Tax Options

Increase fuel tax  
Index to inflation  
County option

## Sales Tax

### Options

Arizona  
Transportation Sales  
Tax  
Sales tax on fuel  
sales

## Other Options

Property tax  
Driver's license fee  
Registration fee  
Sin tax

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