

# **FY 2023 – 2027 Tentative Five Year Program**

**May 20, 2022**

**Paul Patane, P.E.  
Multimodal Planning Division**

# 2023-2027 Tentative Program Discussion

- Background
- Asset Conditions
- Tentative 5-Year Highway Delivery Program
- Tentative MAG Program
- Tentative PAG Program
- Tentative Airport Program
- Next Steps

# Background

- STB Five Year Program must be fiscally constrained
- Approval Process and Schedule
  - February 18, 2022 - Tentative Five Year Program Approved by the STB
  - May 20, 2022 - Planned public hearing
  - June 2, 2022 - STB Study Session to discuss comments
  - June 17, 2022 - Projected approval of the Five Year Program
  - July 1, 2022 - FY 2023 begins

# Overview of Asset Condition



**ADOT**

# \$23.5 Billion = Value of State Highway System Infrastructure



**\$23.5  
Billion**

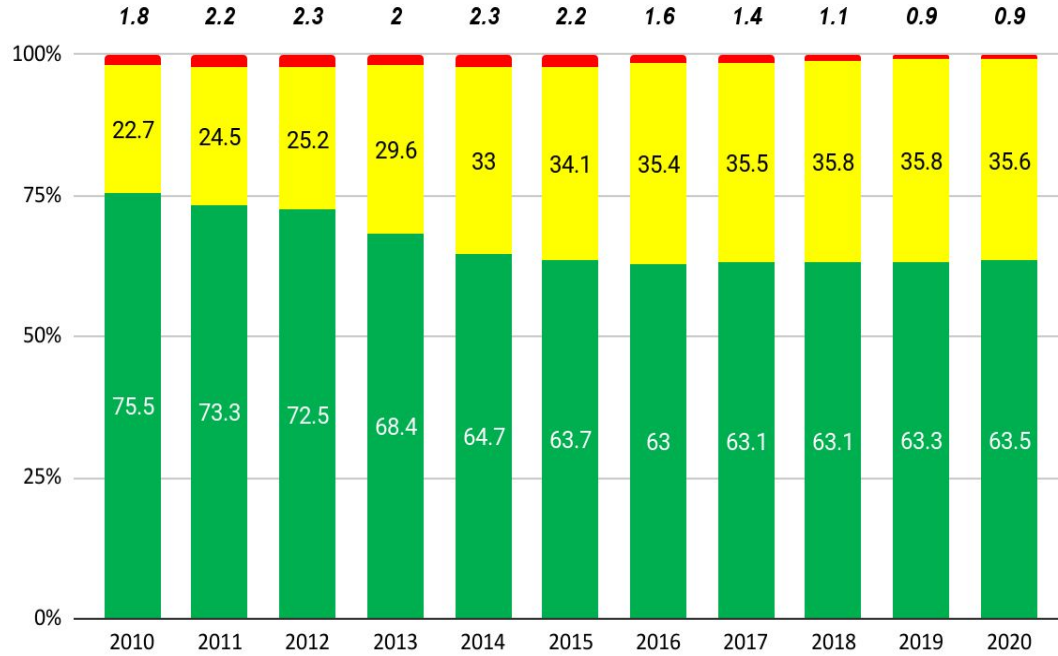


Without a commitment to preservation, ***the system would cost \$300 billion to replace.***

# Bridge Ratings

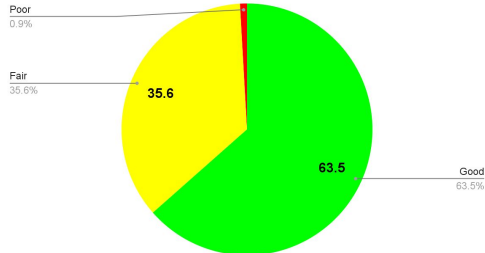
- **Good:** Primary structural components have no problems or only very minor deterioration.
- **Fair:** Primary structural components are sound but have some concrete deterioration or erosion around piers or abutments caused by flowing water (scour).
- **Poor:** Advanced concrete deterioration, scour or seriously affected primary structural components. A poor condition bridge is not unsafe. Unsafe bridges are closed.

## Bridge Conditions



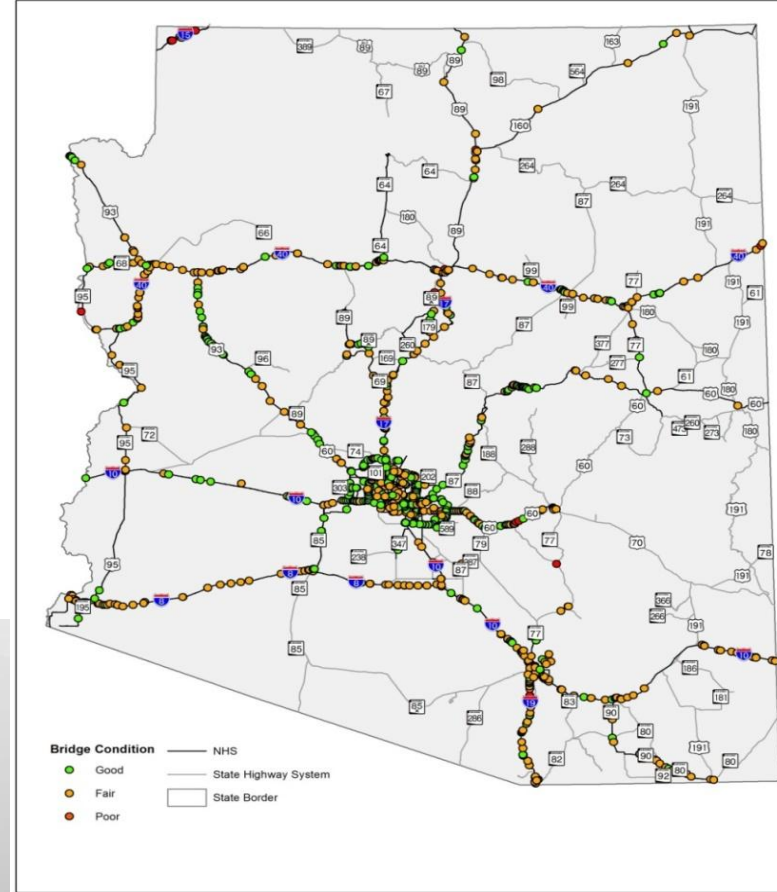
# 63.5% Good

2020 Bridge Condition



Good  
Fair  
Poor

Trend





# Pavement Ratings

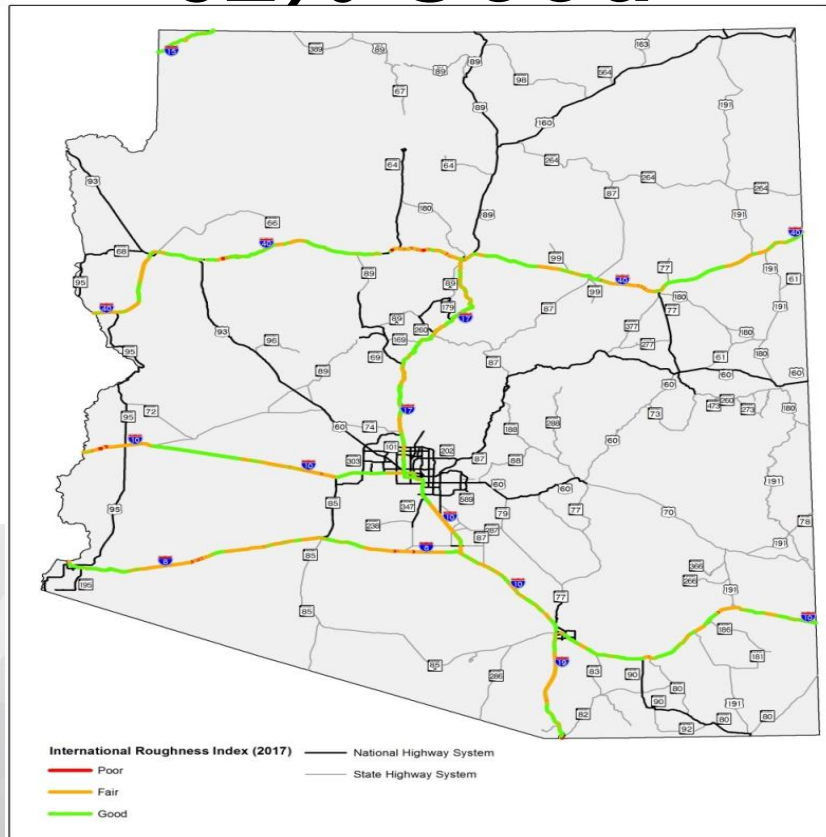
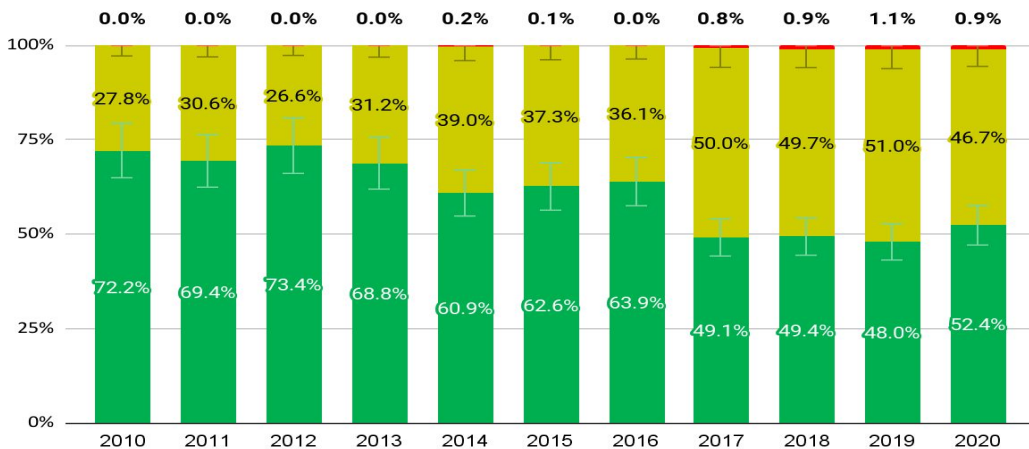
- **Good** – Smooth road surface, with little cracking and no ruts or potholes.
- **Fair** – Moderate amounts of cracking that lead to increased roughness of the road surface. Shallow ruts in the wheel path.
- **Poor** – Numerous cracks, rough road surface, ruts in the wheel path, potholes and disintegration of the road surface.



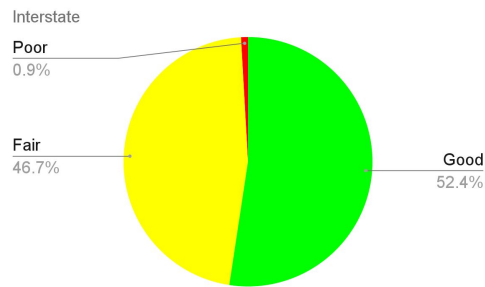
# Pavement Condition: Interstate

# 52% Good

## Interstate Pavement Ratings



## 2020 Pavement Condition Interstate

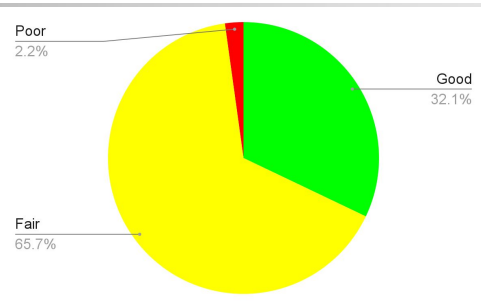
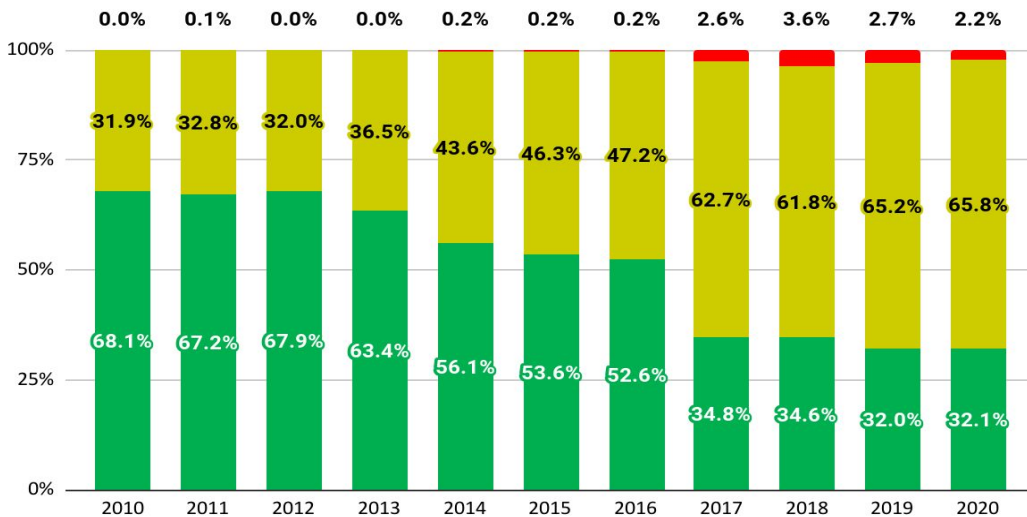


**Trend**

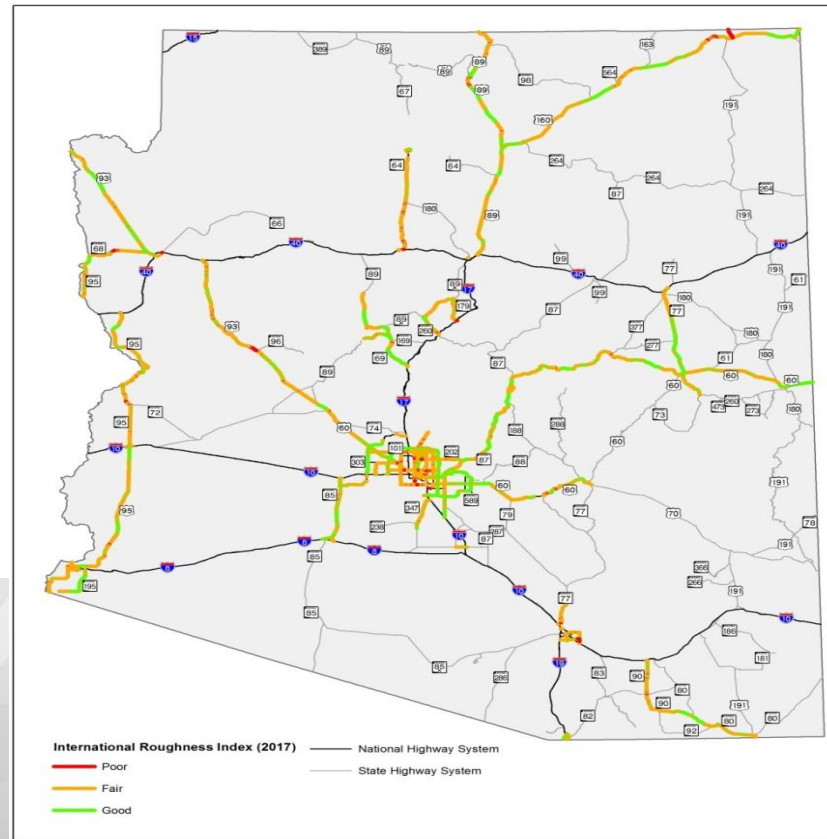


# Pavement Condition NHS

# 32% Good

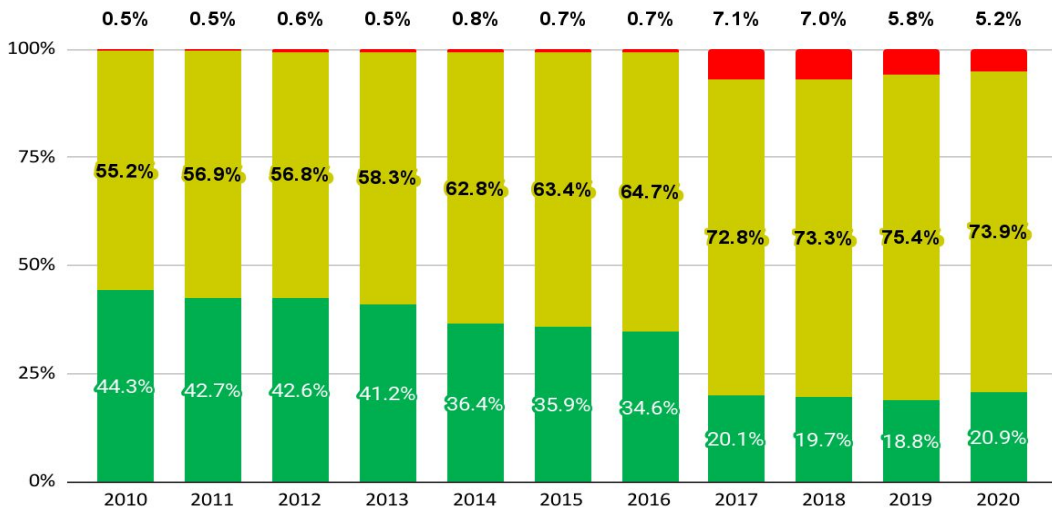


Trend



# Pavement Condition: Non-NHS

# 20.9% Good



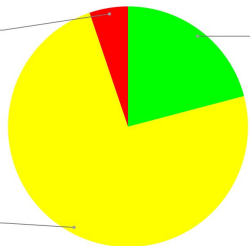
## 2020 Pavement Condition

Non NHS

Poor  
5.2%

Good  
20.9%

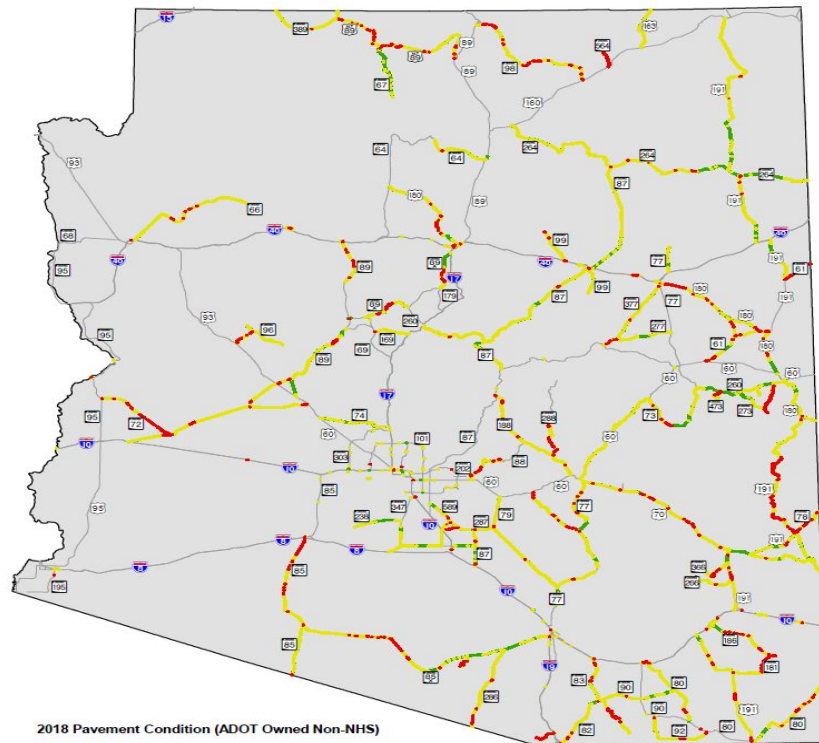
Fair  
73.9%



Trend



ARIZONA DEPARTMENT OF TRANSPORTATION

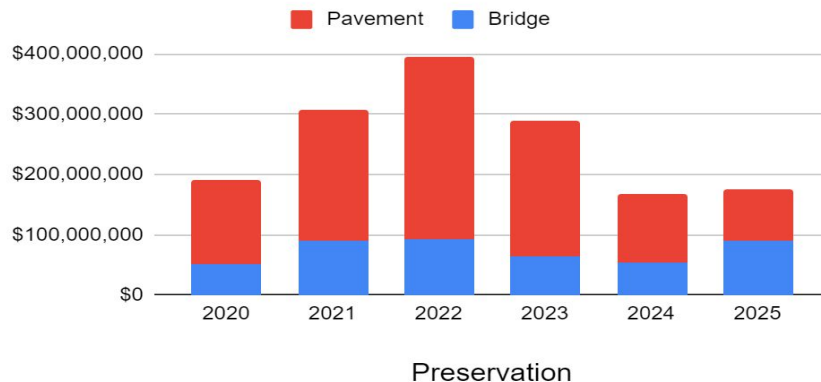


# Bridge and Pavement Preservation

## Maintaining Current Conditions

Combining Pavement and Bridge preservation costs to maintain current conditions (2019/2018), plus 15% for development and construction management costs, results in costs per year shown in the table below:

**Bridge and Pavement**



Preservation	2020	2021	2022	2023	2024	2025
Bridge	\$51,622,910	\$89,643,000	\$91,701,000	\$63,750,000	\$53,000,000	\$90,000,000
Pavement	\$139,501,330	\$218,557,644	\$303,663,306	\$226,529,401	\$114,932,798	\$84,799,911
Sub-Total	\$191,124,240	\$308,200,644	\$395,364,306	\$290,279,401	\$167,932,798	\$174,799,911
Development @ 15%	\$28,668,636	\$46,230,097	\$59,304,646	\$43,541,910	\$25,189,920	\$26,219,987
<b>Total</b>	<b>\$219,792,876</b>	<b>\$354,430,741</b>	<b>\$454,668,952</b>	<b>\$333,821,311</b>	<b>\$193,122,718</b>	<b>\$201,019,898</b>

**Bringing all system roadways into good condition would cost \$4.2 Billion**

(Construction cost only, using 2020 unit costs)

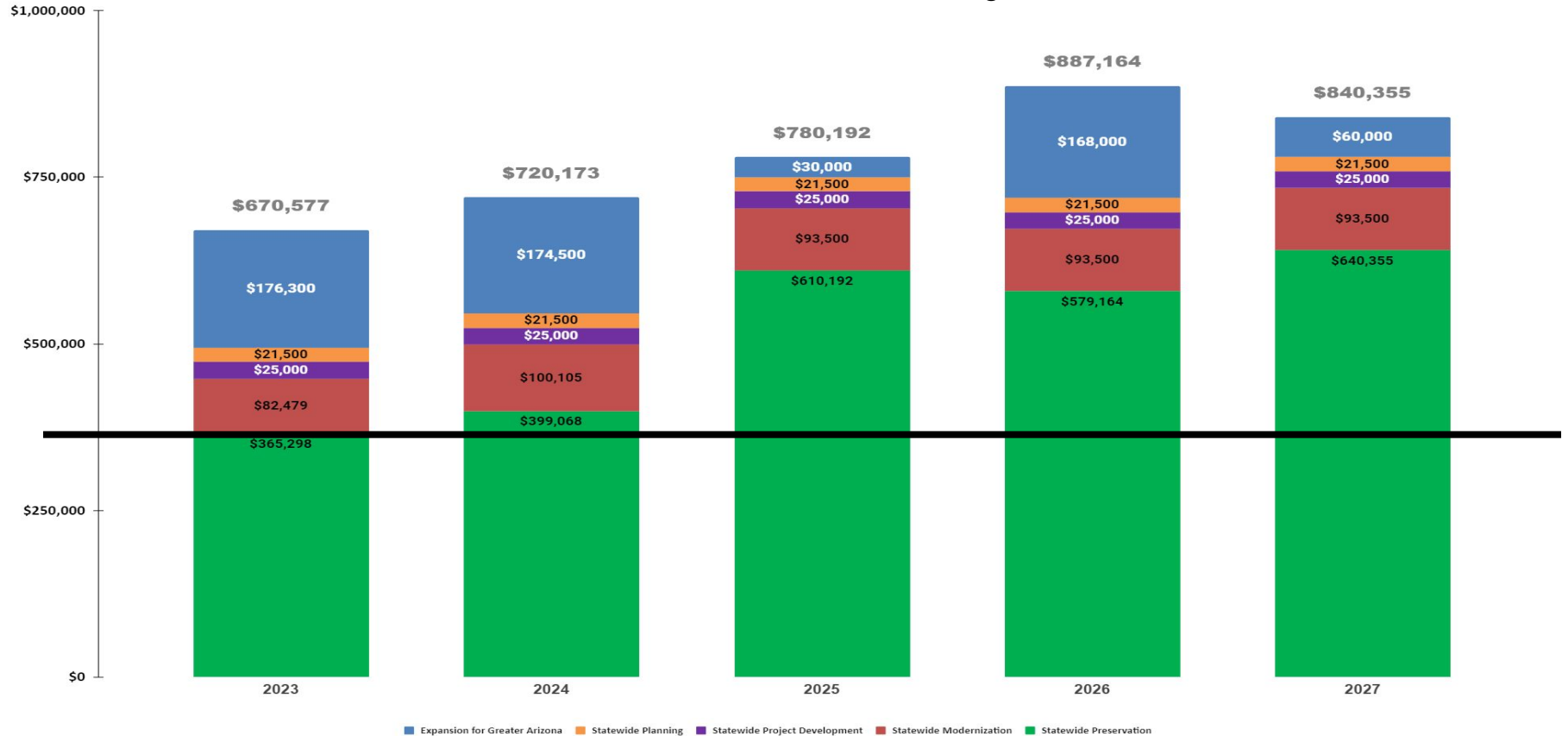
# What Moves You, Arizona 2040



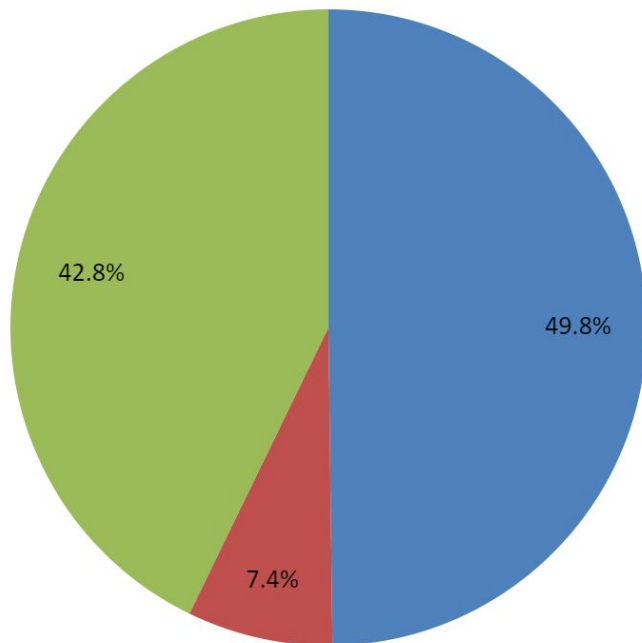
## Categories of Highway Need/Investment

- **Preservation:** Investment to keep pavement smooth and maintain bridges.
- **Modernization:** Non-capacity investment that improves safety and operations (e.g. adding shoulders or smart technologies).
- **Expansion:** Investment that adds capacity to the highway system (e.g. new roads, added lanes or new interchanges).

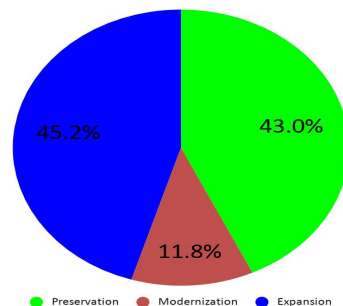
Previous Estimated Preservation Target = \$320 M



# 2023-2027 Tentative Facilities Construction Program\*



2022-2026 Facilities Construction Program



\*Includes MAG & PAG Funding

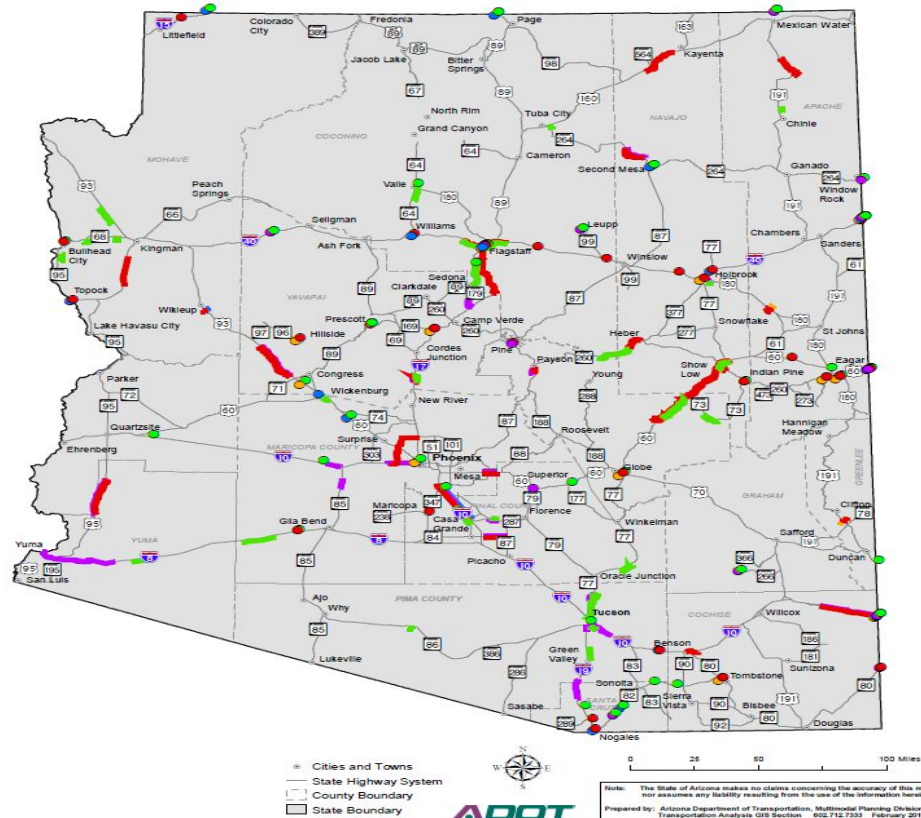
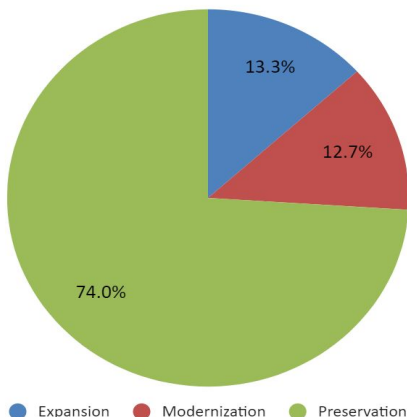


# Greater Arizona

(excludes Maricopa and Pima Counties)

## Tentative 5-Year Highway Delivery Program (FY23-FY27)

GA Only



# FY23 Expansion Construction Projects – \$176.3M

**ADOT**

\$176,300

\$21,500

\$25,000

\$82,479

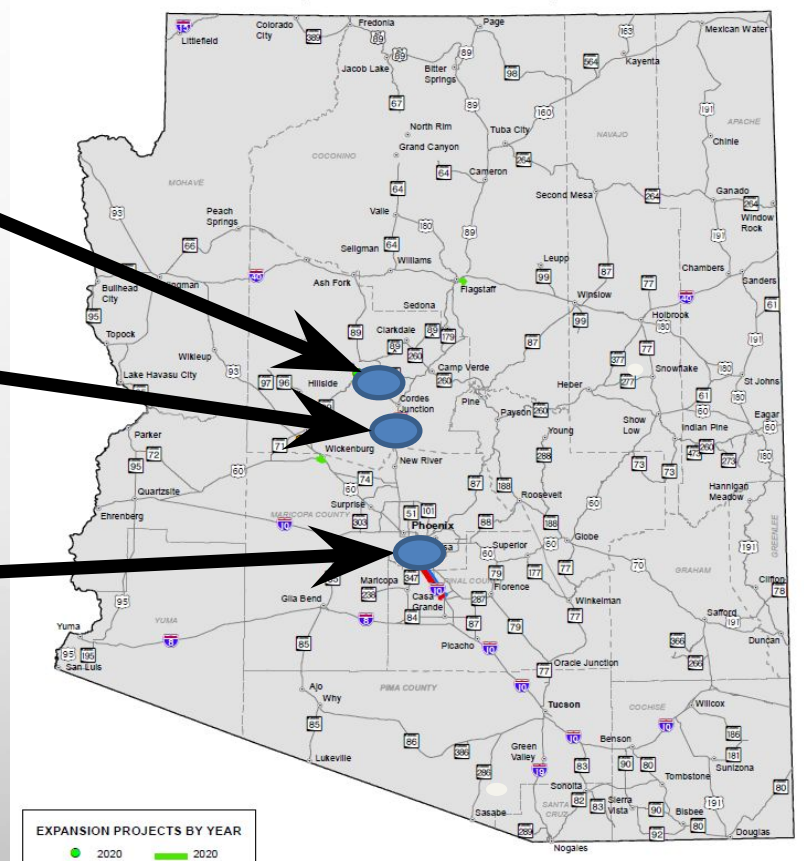
\$365,298

**\$10.3M;  
Prescott Lakes  
Parkway – Frontier  
Village**

**\$83M; I-17  
Anthem Way to  
Cordes Jct.**

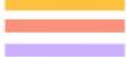
**\$83M; I-10 Gila  
River Bridge**

Expansion Projects  
Planning Costs  
Development Costs  
Modernization Projects  
Preservation Projects



## Closing the Gap - \$540M

Description	State Dedicated Funding
Executive (New)	400M
Gila River Bridge	90M
FY 2022 Budget	50M
<b>Total</b>	<b>\$540M</b>

State Dedicated Funding = **\$540M**   
**66%**

Local and Grants (Federal) = **\$280M**   
**34%**



# FY24 Expansion Construction Projects – \$175M

**ADOT**

\$174,500

\$21,500

\$25,000

\$100,105

\$399,068

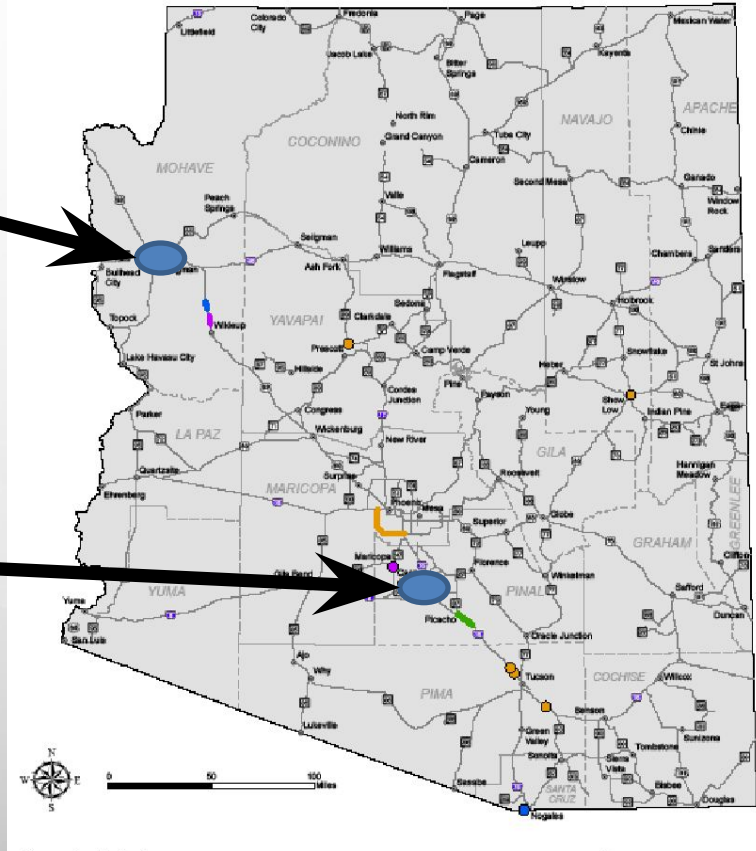
\$125M; I-40/US-93  
West Kingman T.I



\$50M; I-10 Project 1



- Expansion Projects
- Planning Costs
- Development Costs
- Modernization Projects
- Preservation Projects





# FY 2025 Expansion Construction Projects - \$40M

**ADOT**

\$40,000

\$21,500

\$25,000

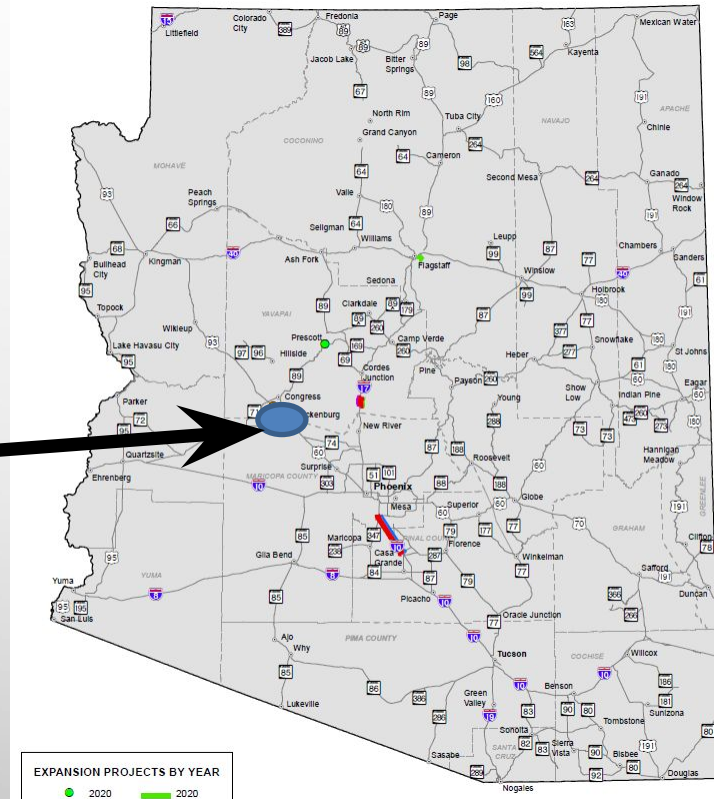
\$93,500

\$610,192

**\$40M; US 93  
Cane Springs**



Expansion Projects  
Planning Costs  
Development Costs  
Modernization Projects  
Preservation Projects



# FY 2026 Expansion Construction Projects - \$120M

**ADOT**

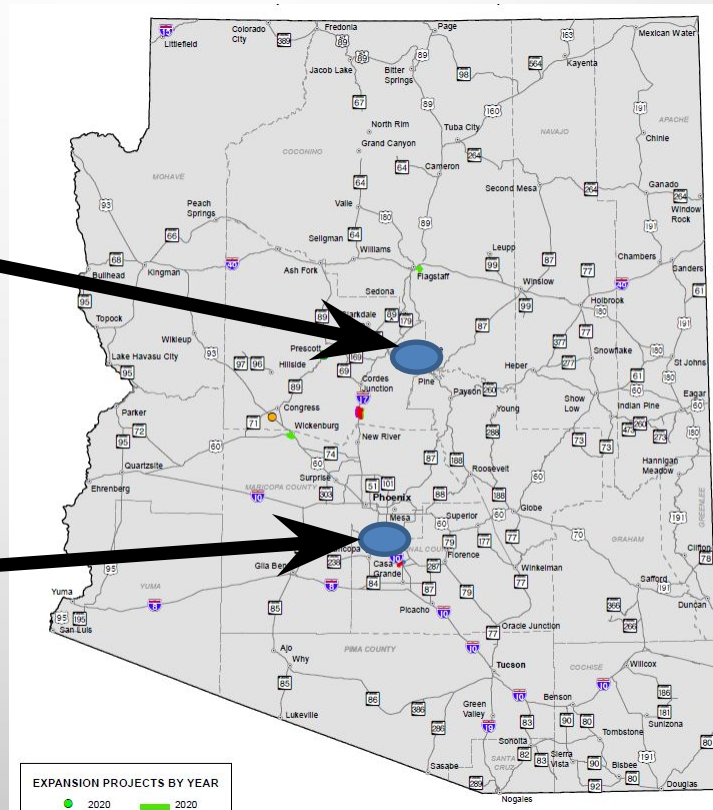
**\$70M; SR-260 Lion Springs**



**\$50M; I-10 Project 2**



- Expansion Projects
- Planning Costs
- Development Costs
- Modernization Projects
- Preservation Projects



# FY 2027 Expansion Construction Projects - \$60M

**ADOT**

\$60,000

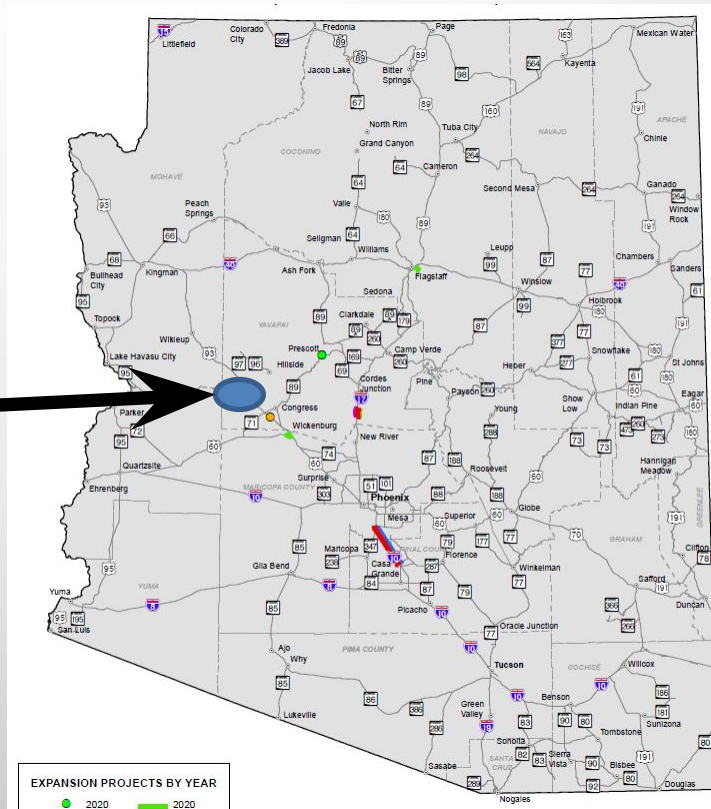
\$21,500

\$25,000

\$93,500

\$640,355

**\$60M; US-93  
Big Jim Wash**

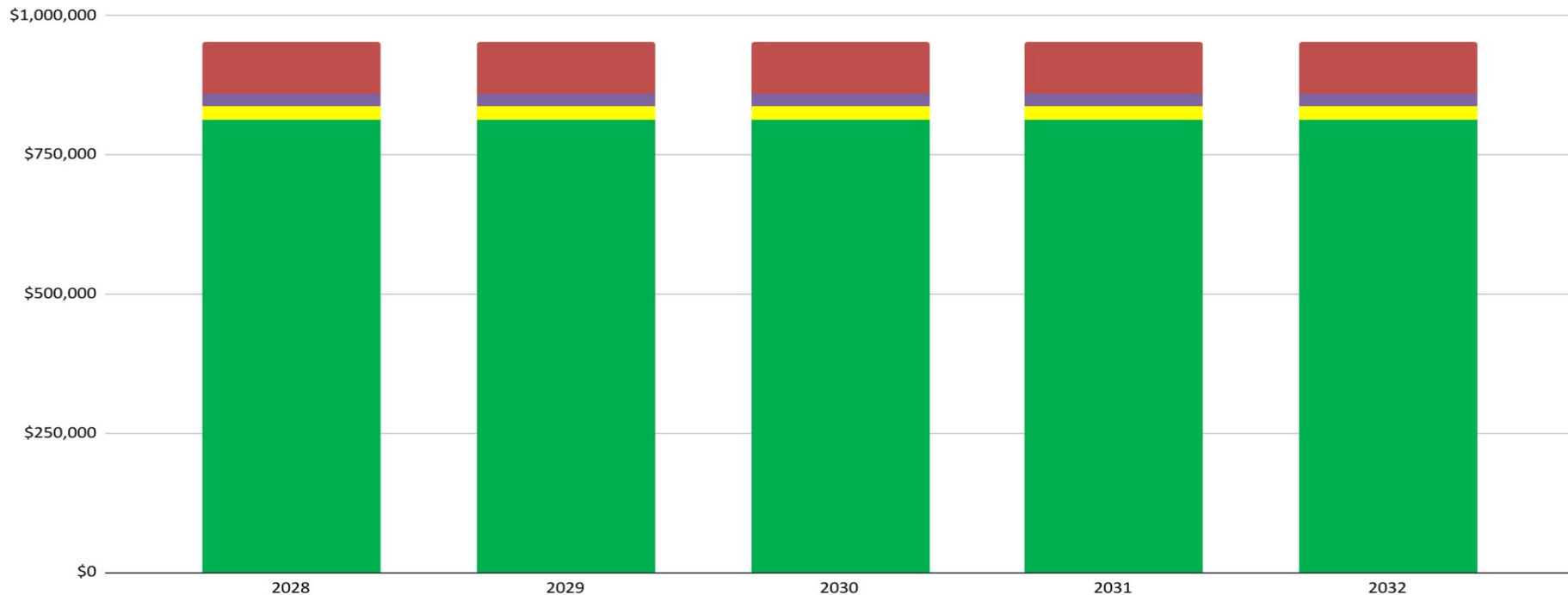


Expansion Projects  
Planning Costs  
Development Costs  
Modernization Projects  
Preservation Projects

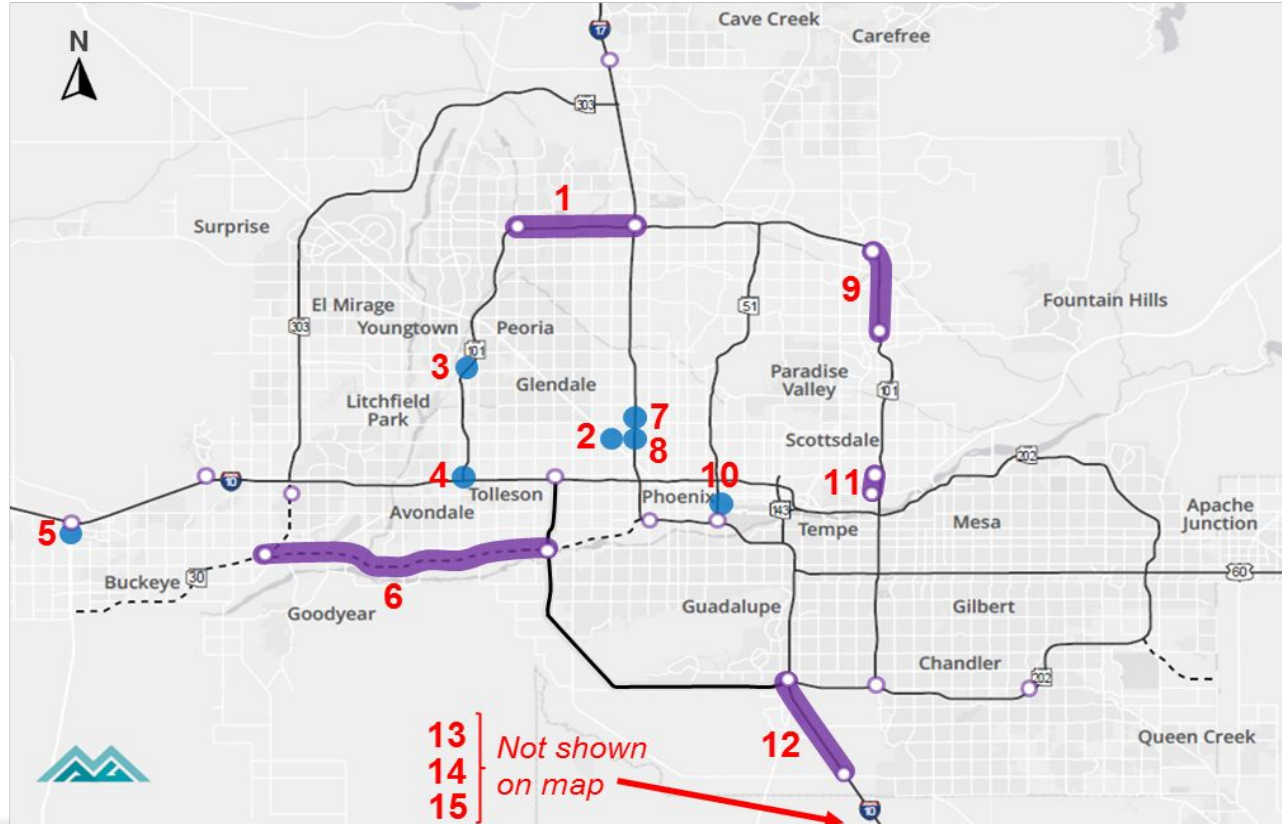


# SIX TO TEN YEAR PROGRAM

Statewide Modernization   Statewide Planning   Statewide Project Development   Statewide Preservation   Expansion for Greater Arizona



# MAG Regional Freeway Program (FY23- FY25)\*



Item	Location	Work Years	Total Programmed (\$ Mil)
1	101 (Agua Fria): 75th Ave - I-	FY 2024	135.1
2	60 (Grand Ave): 35th Ave/Indian School Rd Intersection	FY 2023-25	184.7
3	101 (Agua Fria): Northern Ave TI	FY 2025	10.0
4	101 (Agua Fria): I-10 System Interchange Improvements	FY 2023-25	221.0
5	85: Warner Street Bridge	FY 2023	5.3
6	30 (Tres Rios): SR303L - SR202L South Mountain,	FY 2023-25	221.9
7	17: Camelback Rd TI	FY 2023-25	98.5
8	17: Indian School Road TI	FY 2023	48.4
9	101 (Pima): Princess Dr - Shea Blvd	FY 2023	123.0
10	10 (Maricopa): Sky Harbor West Airport Access	FY 2023-25	100.0
11	101 (Pima): Pima Rd Extension (JPA)	FY 2024-25	3.9
12	10 (Maricopa): SR202L Santan Riggs Rd	FY 2025	279.6
13	10 (Maricopa): Riggs Rd - Gila River	FY 2023	16.8
14	10 (Maricopa): Gila River Indian Community Access Improvements	FY 2023	15.0
15	10 (Maricopa): Gila River Bridge	FY 2023	83.0

**I-10 Ruthrauff TI \$74M FY23 & 24**

**I-10 Country Club Rd TI \$58M FY 26**

**SR-210 / I-10 TI \$20M FY 23**

**I-19 Irvington TI \$48M FY 25**

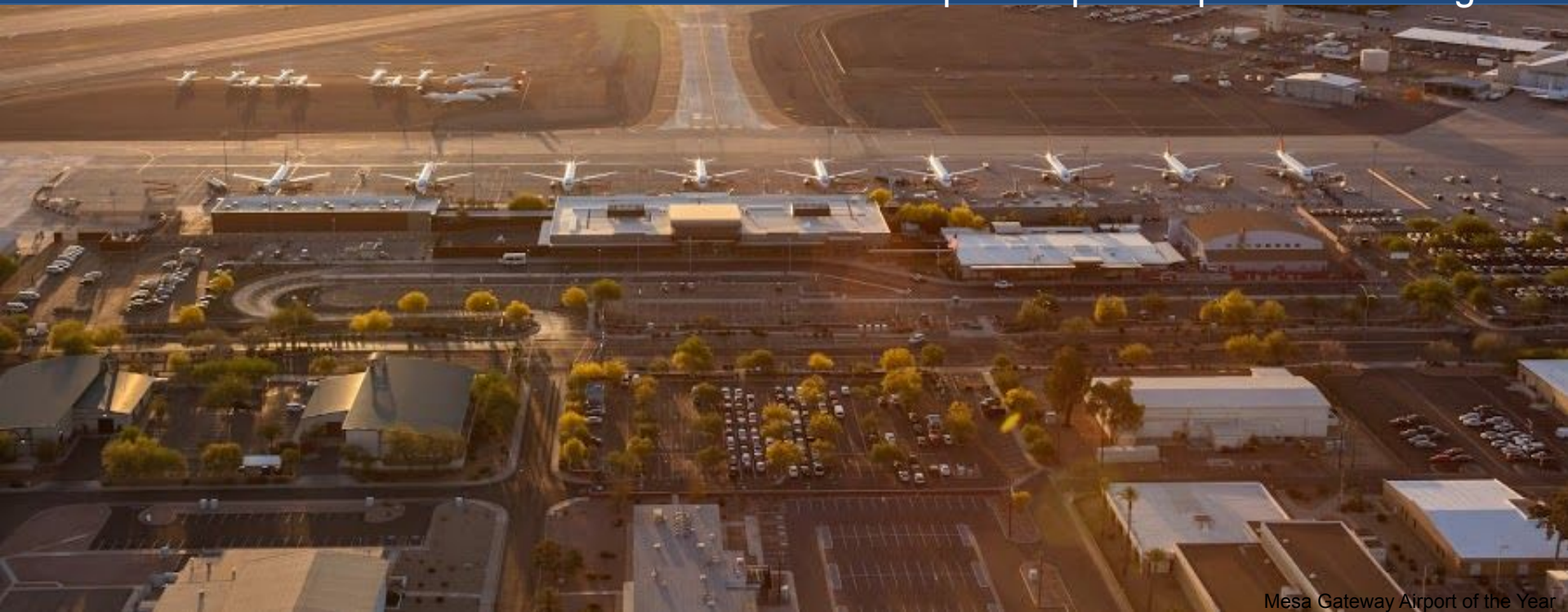


# 2023-2027

Five-Year Transportation  
Facilities Construction Program

# TENTATIVE

Airport Capital Improvement Program



# Airport Capital Improvement Program (ACIP)

Five-Year Development Program – Fiscal Year 2023

Program	Amount
Federal/State/Local match (FSL)	\$8,000,000
State/Local (SL)	\$10,000,000
Airport Pavement Preservation (APMS)	\$8,000,000
Airport Development Loans	\$0
Grand Canyon Airport	\$4,000,000
State Planning Services	\$1,000,000
Total Airport Capital Improvement Program	\$31,000,000

# Public Comments on Tentative Program through May 16

(Comment period is March 18 through June 2)

**ADOT**

- **Public involvement efforts by ADOT Community Relations:**
  - Two news releases (March and May) issued to statewide media
  - Three GovDelivery notices (March, April and May) to subscribers
  - ADOT blog post published on March 31
  - Social media promotion on Facebook and Twitter
  - ADOT website banner
  - Media articles written from the ADOT news releases
- **ADOT has received comments through the following:**
  - 196 SurveyMonkey respondents
  - 63 people who emailed their comments
  - One phone comment and one letter received by mail
- **Major themes of comments include:**
  - Widen/ improve safety on US 60/Grand Avenue - Loop 303/163rd Ave
  - Widen I-10 between Phoenix and Casa Grande
  - Repair State Route 88 (Apache Trail)
  - Widen/improve safety on SR 347 in City of Maricopa area

# Next Steps

- **May 20** - Public Hearing
- **June 2, 2022** - STB Study Session to discuss comments
- **June 17, 2022** - Projected approval of the 2023-2027 Five Year Program



# Questions?