

FY 2024 – 2028 Tentative Five-Year Transportation Facilities Construction Program

May 19, 2023

**Paul Patane
Multimodal Planning Division**

2024-2028 Program Discussion

- **Background**
- **Overview of Asset Condition**
- **Tentative 5-Year Highway Delivery Program**
- **Tentative MAG Program**
- **Tentative PAG Program**
- **Tentative Airport Program**
- **Next Steps**

Overview of Asset Condition



Value of State Highway System Infrastructure

**\$24.4
Billion***



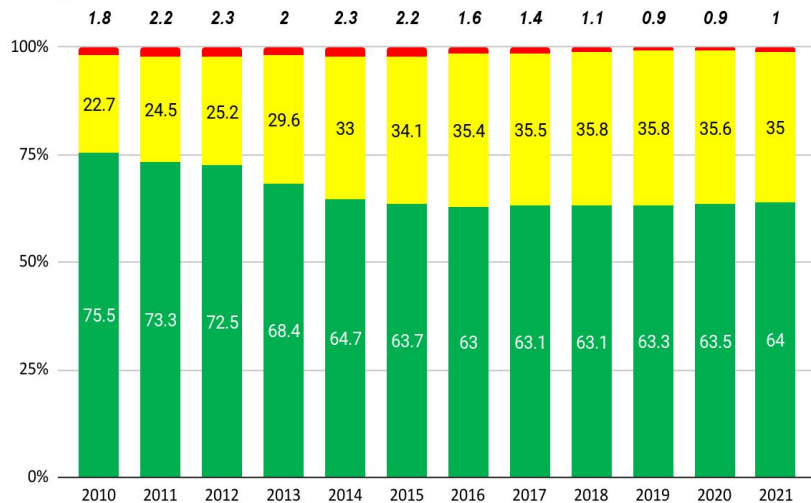
Bridge Ratings

Good: Primary structural components have no problems or only very minor deterioration.

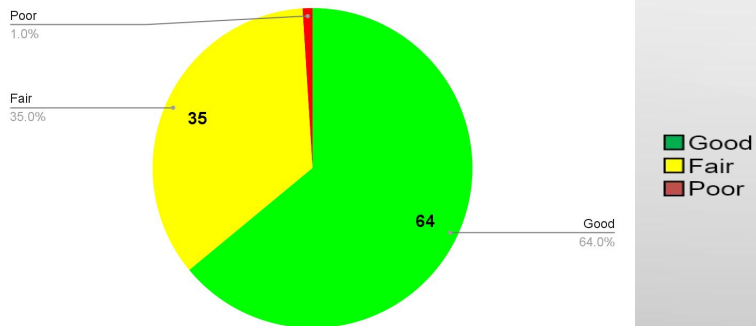
Fair: Primary structural components are sound but have some concrete deterioration or erosion around piers or abutments caused by flowing water (scour).

Poor: Advanced concrete deterioration, scour or seriously affected primary structural components. A poor condition bridge is not unsafe. Unsafe bridges are closed.

Bridge Conditions

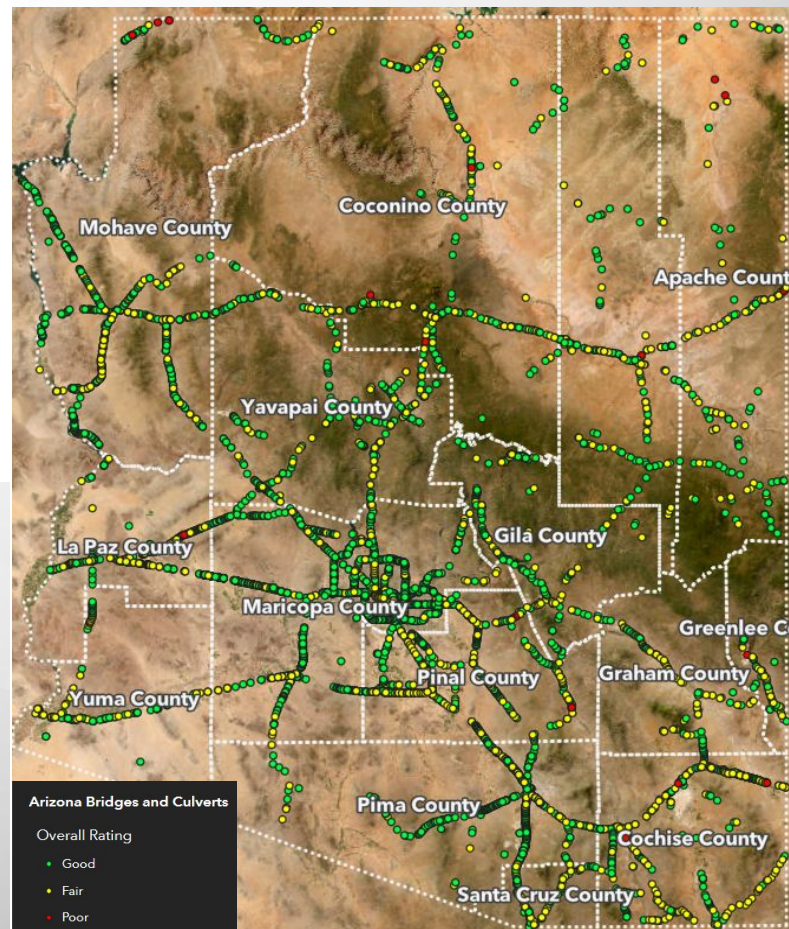


2021 Bridge Condition



Data as of 2021 (latest available)

64% Good



Pavement Ratings

Good: Smooth road surface, with little cracking and no ruts or potholes.

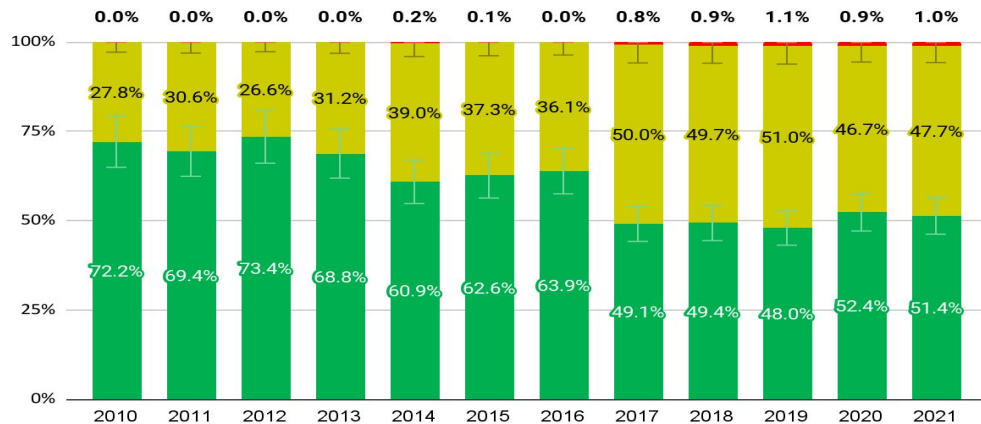
Fair: Moderate amounts of cracking that lead to increased roughness of the road surface. Shallow ruts in the wheel path.

Poor: Numerous cracks, rough road surface, ruts in the wheel path, potholes and disintegration of the road surface.

Pavement Condition: Interstate

52.4%

Interstate Pavement Ratings



Interstate

Poor

0.9%

Fair

46.7%

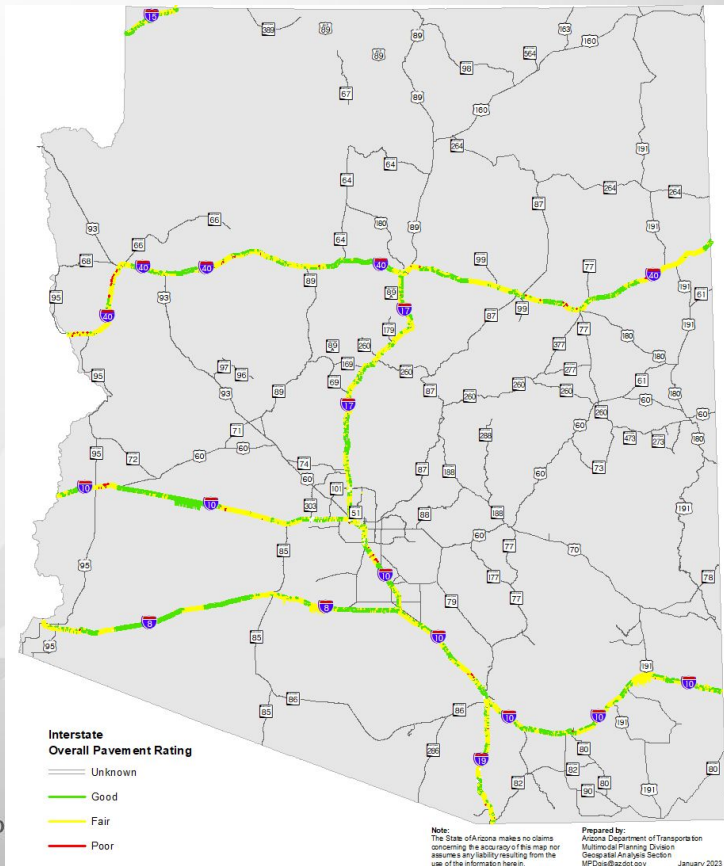
Good

52.4%



[Interactive Map Link](#)

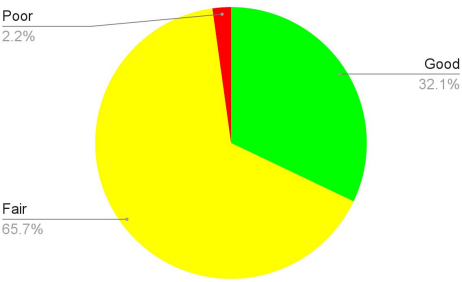
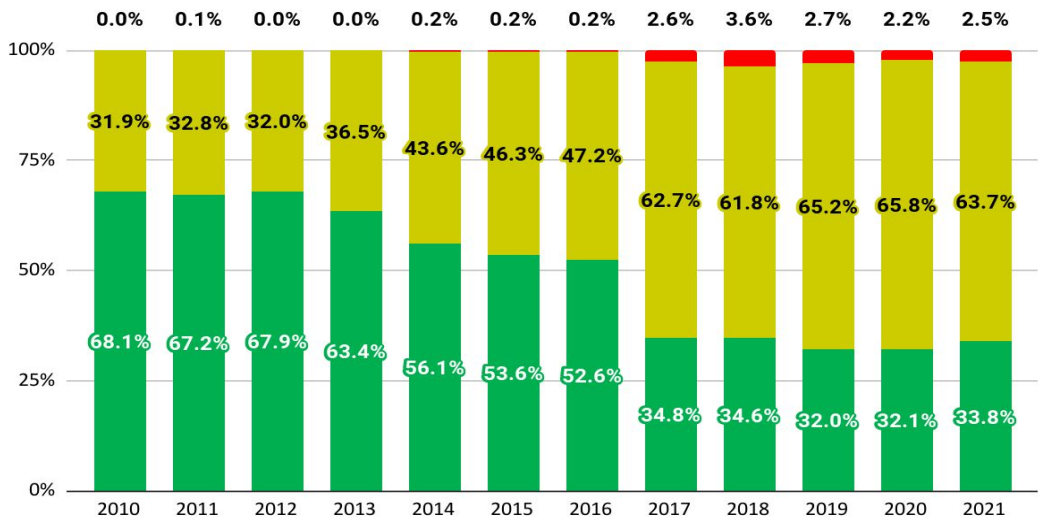
ARIZONA DEPARTMENT OF TRANSPORTATION



Data as of 2021 (latest available)

Pavement Condition: Non-Interstate NHS

32.1%

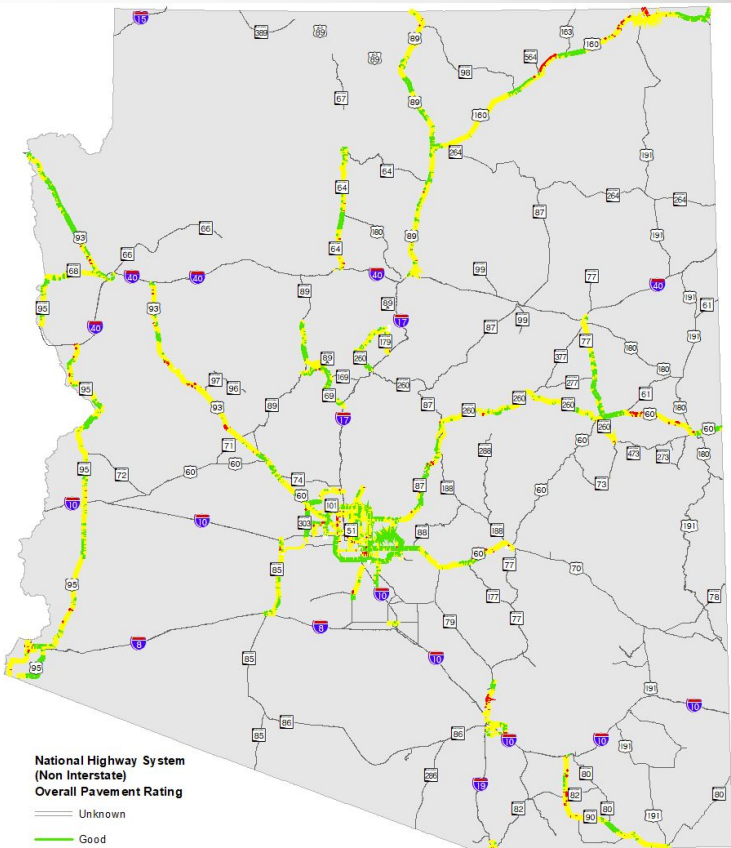


Data as of 2021 (latest available)



[Interactive Map Link](#)

ARIZONA DEPARTMENT OF TRANSPORTATION

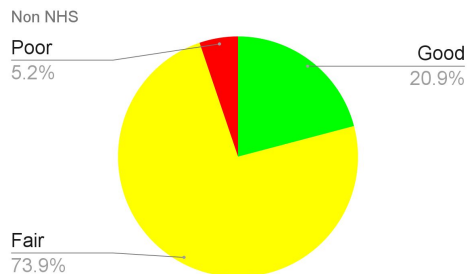
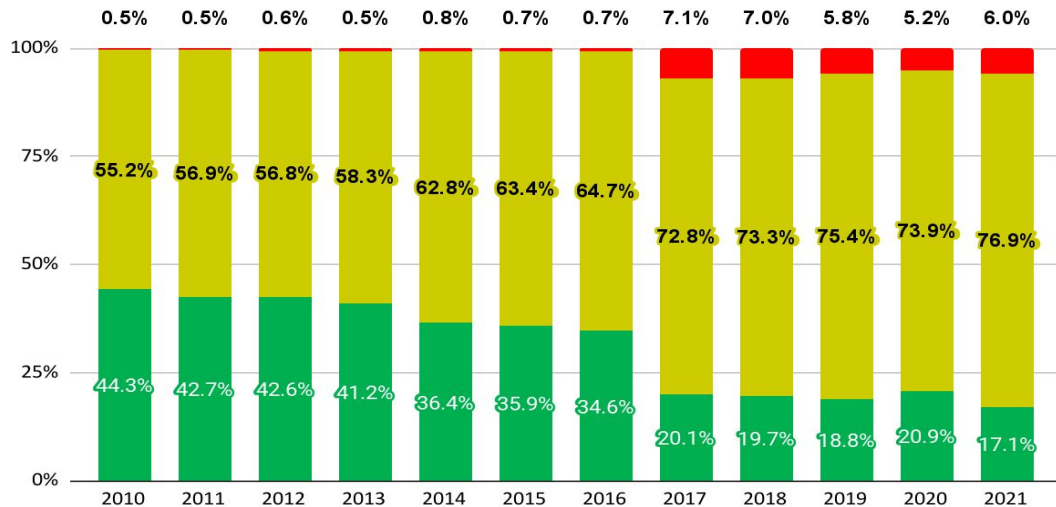


National Highway System (Non Interstate)
Overall Pavement Rating

- Unknown
- Good
- Fair
- Poor

Note: The State of Arizona makes no claims concerning the accuracy of this map nor assumes any liability resulting from the use of the information herein.
Prepared by: Arizona Department of Transportation
 Multiscale Planning Division
 Geospatial Analysis Section
 MPOGIS@adot.gov January 2023

Pavement Condition: Non-NHS



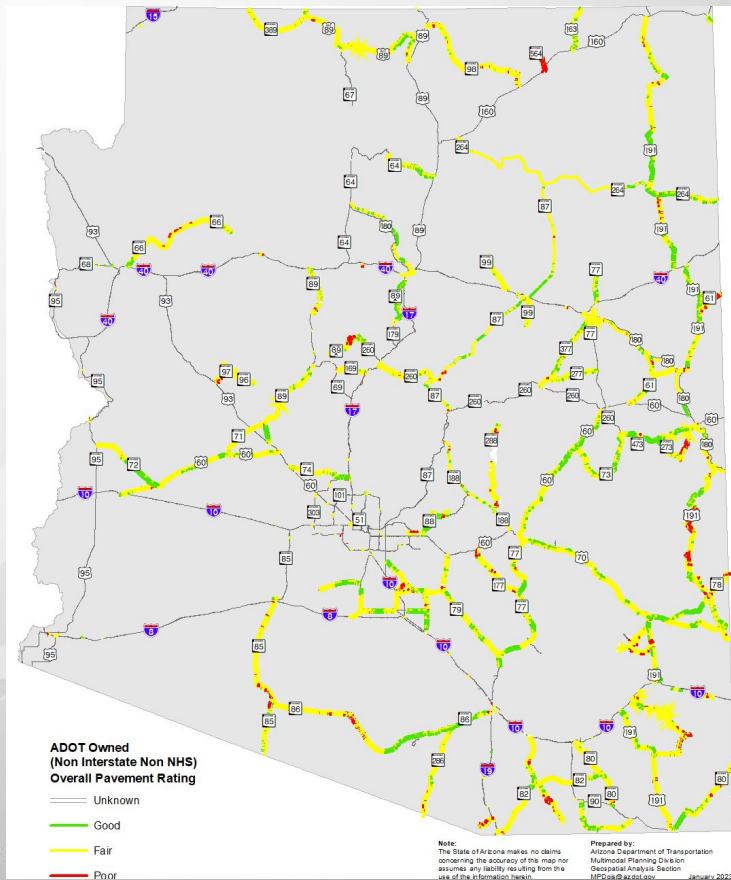
Data as of 2021 (latest available)



[Interactive Map Link](#)

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20.9%

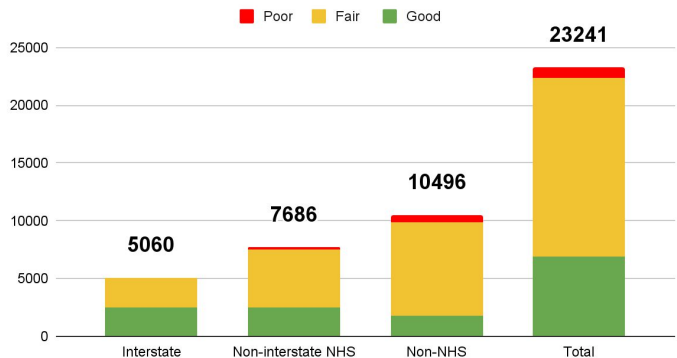


System Pavement Preservation

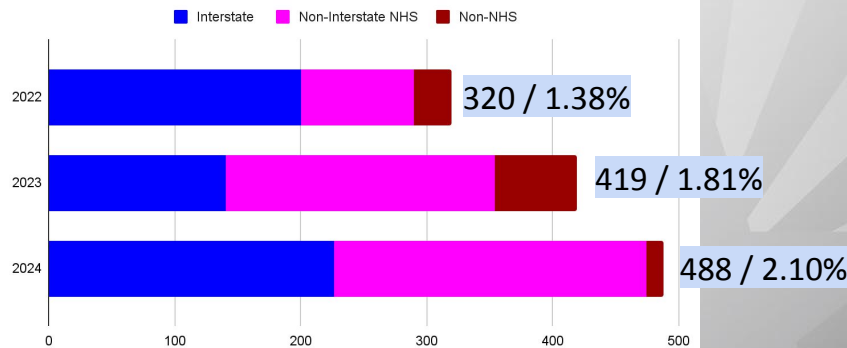
2021 Pavement condition information was extracted from the 2021 HPMS submittal to FHWA.

The Lane Miles represented, consist of projects listed in the tentative 5 Year Program, and do not include sub-program funding. Percentage indicated percent of total system lane miles programmed for preservation.

2021 Pavement Conditions - (Lane Miles)



Programmed Pavement Preservation Projects 2022-2024



A minimum of 5% per year is needed to maintain existing conditions

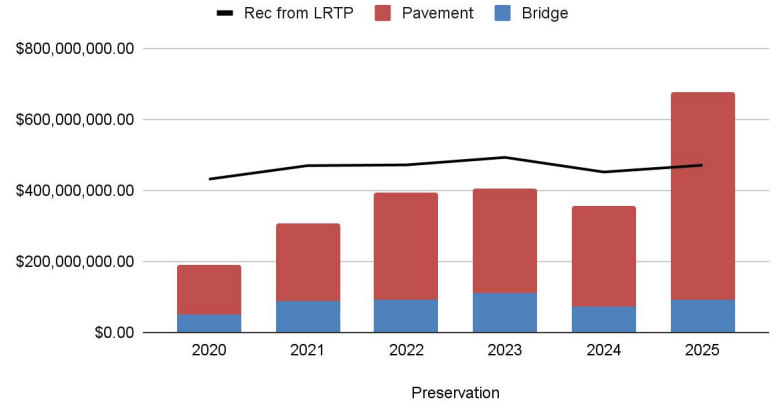
Bridge and Pavement Preservation

ADOT

Maintaining Current Conditions

Combining the Pavement and Bridge preservation values for maintaining current conditions (2021), and adding 15% for development and construction management costs gives the following.

Bridge and Pavement



Preservation	2020	2021	2022	2023	2024	2025
Bridge	\$51,622,910.00	\$89,643,000.00	\$91,701,000.00	\$112,774,416.00	\$71,660,738.00	\$90,820,588.00
Pavement	\$139,501,330.00	\$218,557,644.00	\$303,663,306.00	\$292,074,989.00	\$286,342,545.00	\$584,506,838.00
Sub-Total	\$191,124,240	\$308,200,644	\$395,364,306	\$404,849,405	\$358,003,283	\$675,327,426
Development @ 15%	\$28,668,636	\$46,230,097	\$59,304,646	\$60,727,411	\$53,700,492	\$101,299,114
Total	\$219,792,876	\$354,430,741	\$454,668,952	\$465,576,816	\$411,703,775	\$776,626,540

To bring all system roadways into good condition would cost **\$5.8 Billion**

(Construction cost only, using 2023 unit costs)

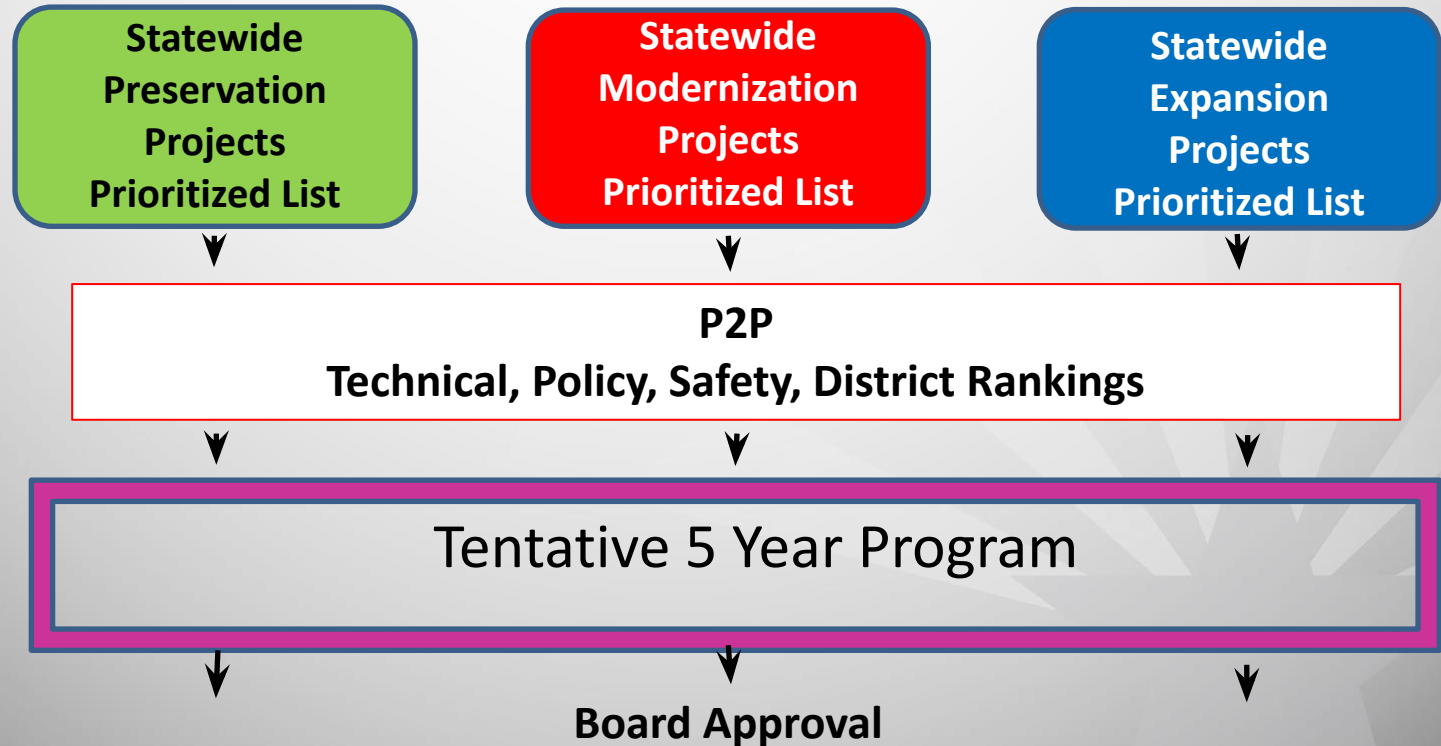
What Moves You, Arizona 2040



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).

L RTP Recommended Investment Choices Planning to Programming (P2P)



ADOT 5-yr Program Development Process



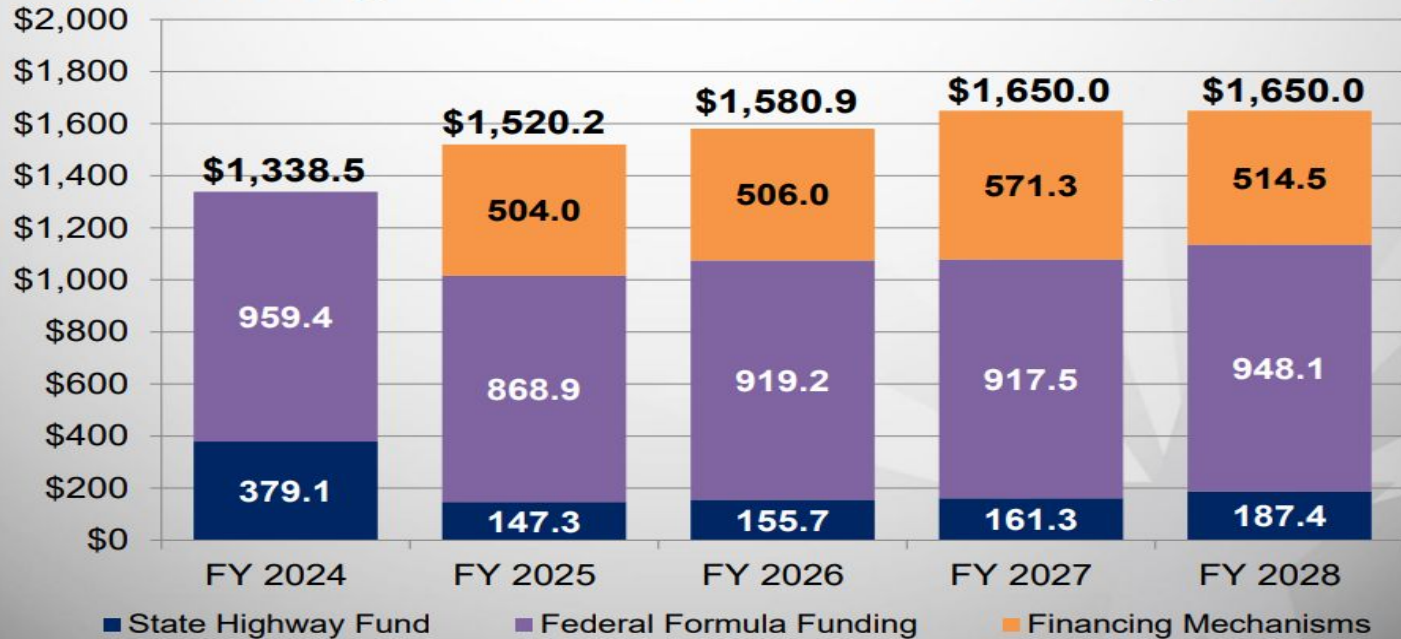
FY 2024-2028 Five Year Transportation Facilities Construction Program

ADOT

ADOT

ARIZONA DEPARTMENT OF TRANSPORTATION

Funding Available for Tentative Program

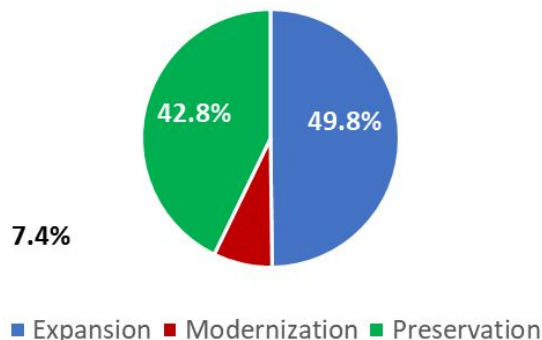


Dollars in Millions

FY 2024-2028 Five Year Transportation Facilities Construction Program (including MAG and PAG)

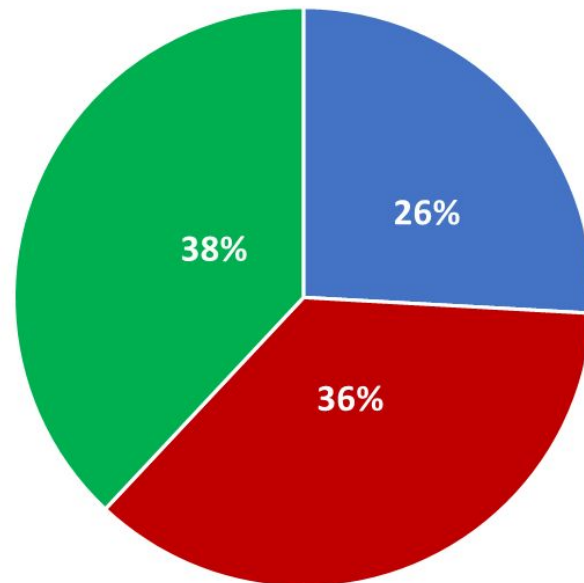
Note:
The programming cycles for MAG and PAG vary from ADOT's; amounts will change in the final program as both organizations refine their programs.

2023-27 Program



- Expansion
- Modernization
- Preservation

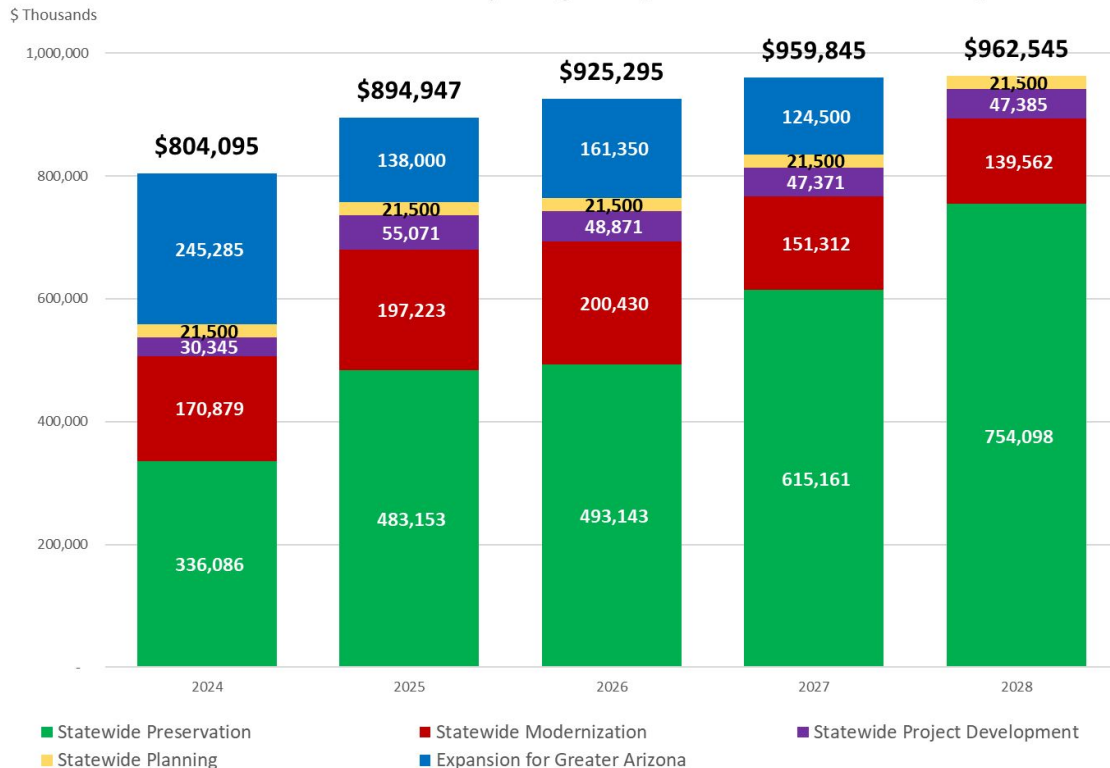
2024-28 Program



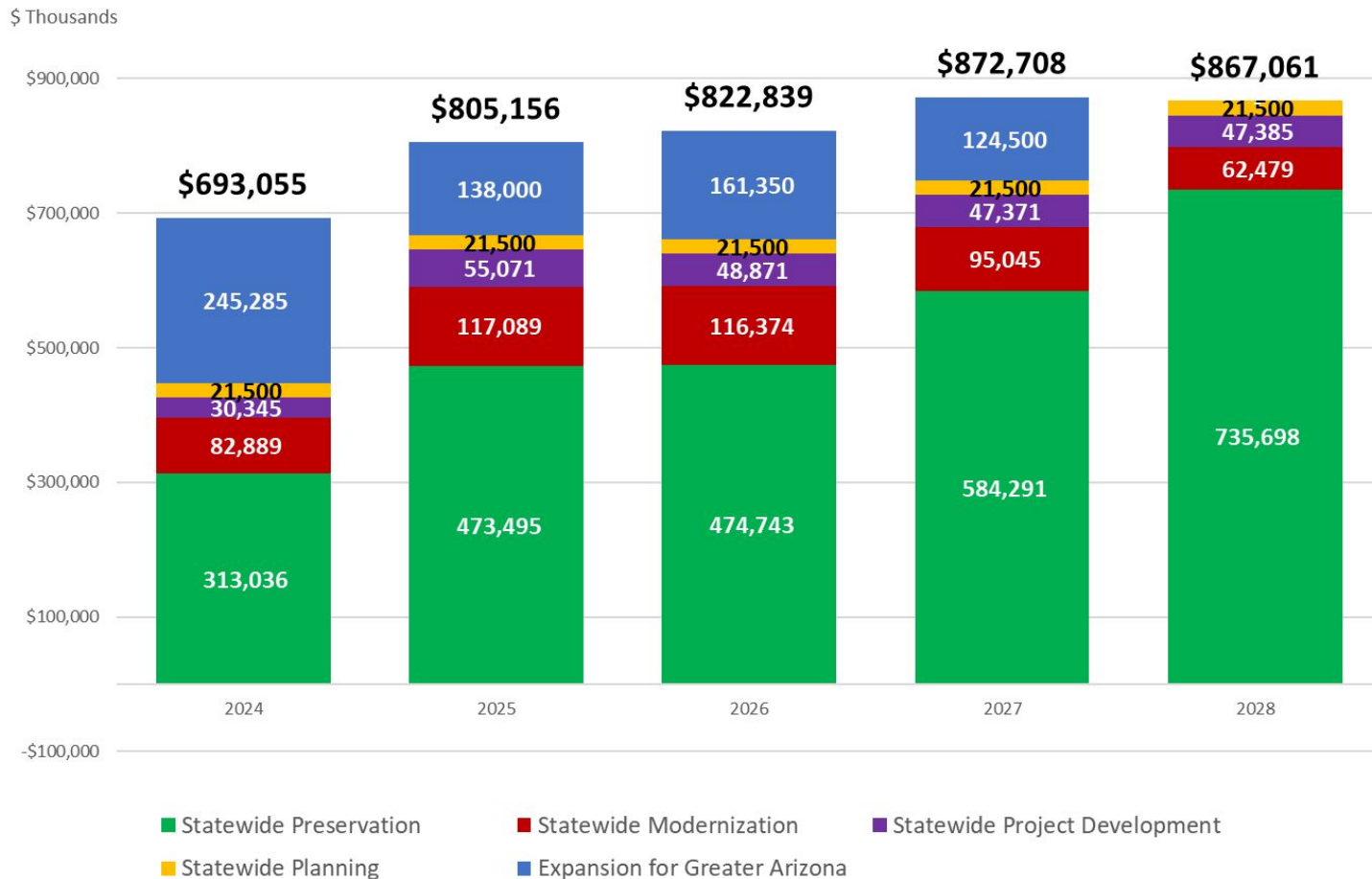
Greater Arizona

(excludes Maricopa and Pima Counties)

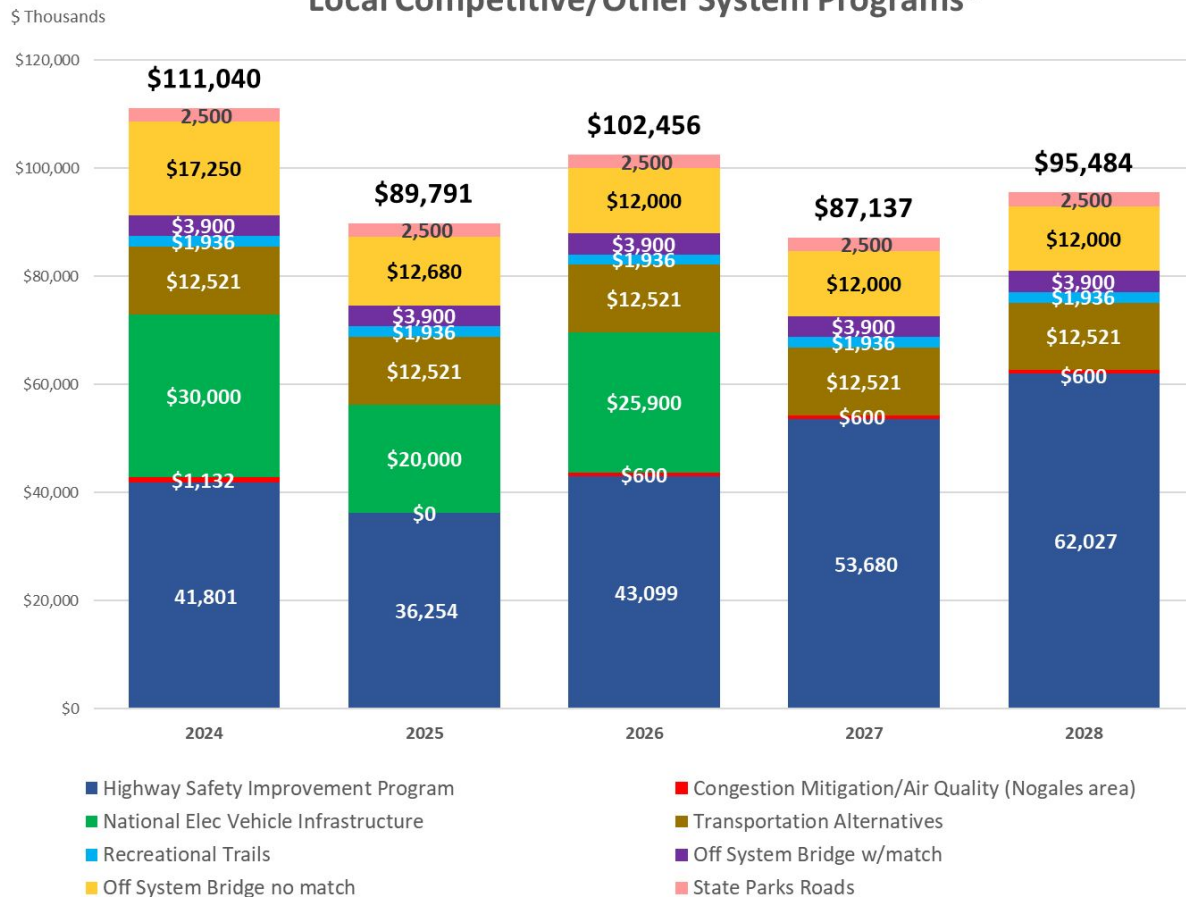
Total 2024-28 Delivery Program (excludes MAG and PAG)



ADOT System Only



Local Competitive/Other System Programs*



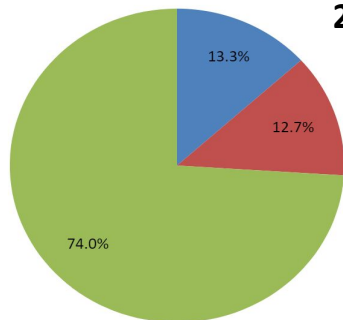
*Funds are awarded in competitive rounds or are allocated to non-ADOT roads per state/federal statute. HSIP and CMAQ may be awarded on ADOT routes.

Greater Arizona

(excludes Maricopa and Pima Counties)

GA Only

2023-27 Program

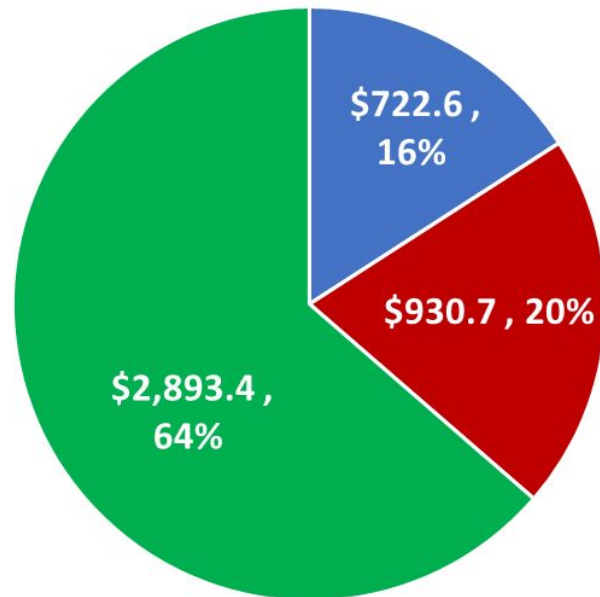


● Expansion ● Modernization ● Preservation

- Expansion
- Modernization
- Preservation

2024-28 Program

Statewide



\$ Millions

I-10 Recommended Alternative

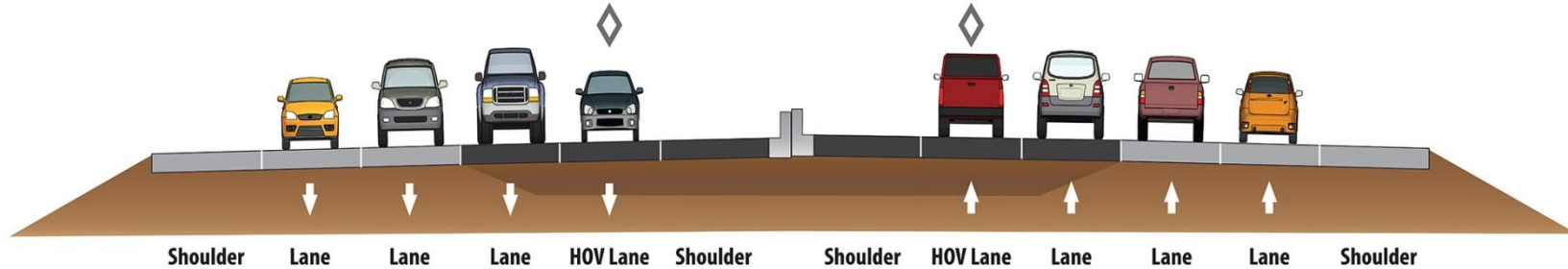
- I-10 median widening
- Reconstructed interchanges
 - Wild Horse Pass Blvd.
 - SR 347/Queen Creek Road
 - Riggs Road
 - SR 587/Casa Blanca Road
 - SR 387/SR 187/Pinal Ave.
- New Interchange
 - GRIC Access
 - Seed Farm Road
- Upgraded crossroads
 - Goodyear Road
 - Nelson Road
 - Gasline Road
- Removed crossroad
 - Dirk Lay Road (returning easement)



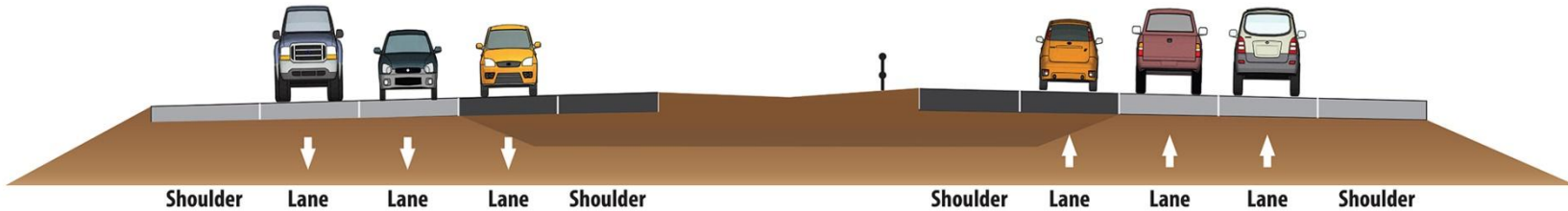
Recommended Build Alternative: I-10 Freeway

ADOT

Loop 202 to Riggs Road



Riggs Road to SR 387



FY24 Expansion Construction Projects – \$245.3 M

ADOT

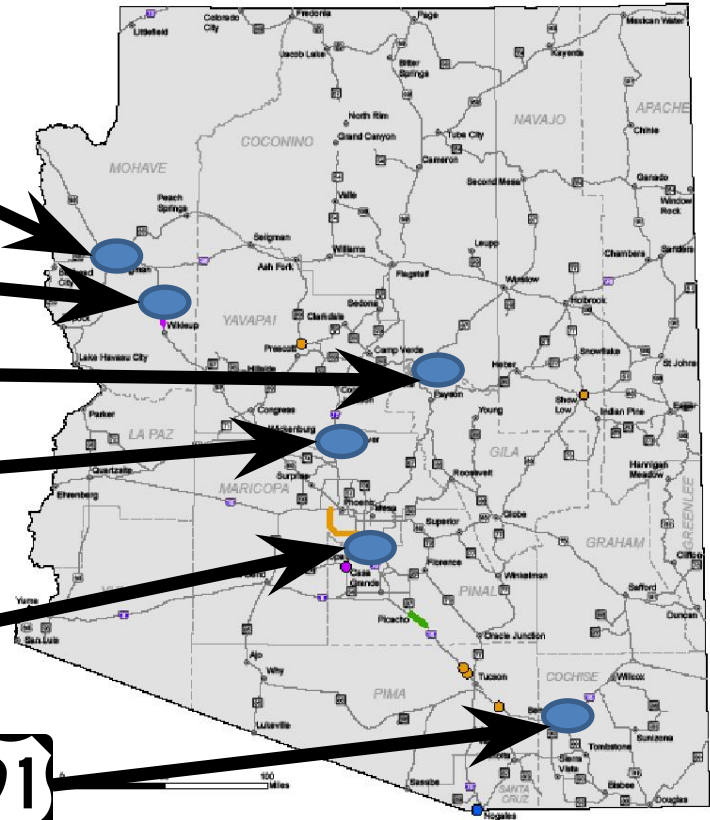
245,285

21,500
30,345

170,015

336,950

- \$160M;
I-40/US 93
West Kingman T.I.
- \$2.5M; US 93
Design Work
Cane Springs
- \$3.8M; SR 260
R/W Work Lion Springs
- \$83M; I-17
Anthem Way to
Cordes Jct.
- \$20M; I-10 Riggs Rd
to SR-387
- \$23.15M; US 191
Cochise RR Overpass



Amounts may not add due to timing of project expenditure obligations

FY 2025 Expansion Construction Projects - \$138 M

ADOT

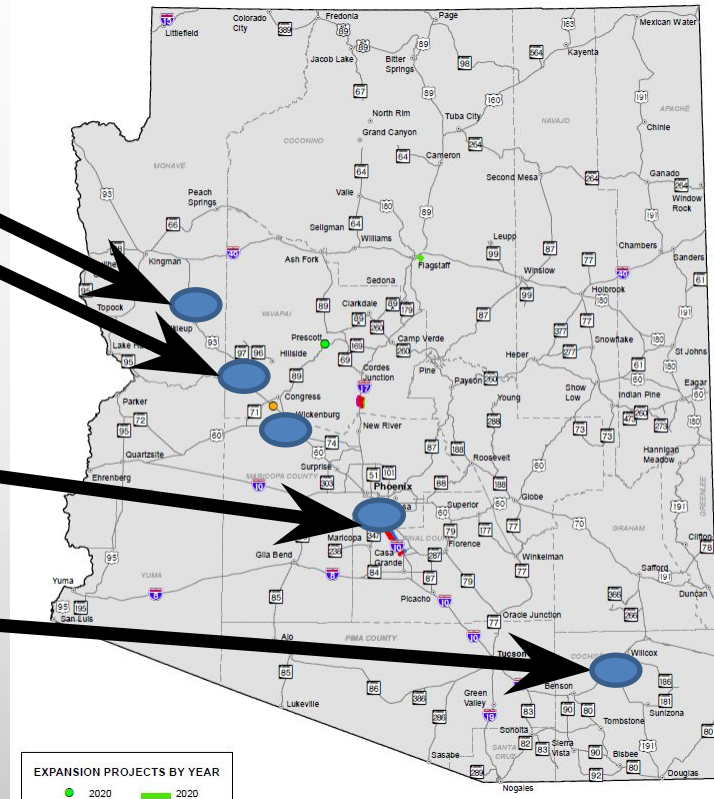
**\$21M; US 93 Design Work
Vista Royale & Big Jim Wash**

**\$63.5M; US 93
Cane Springs**

**\$30M; I-10 Riggs
Road to SR 387**



**\$23.15M;
US 191
Cochise RR
Overpass**



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Amounts may not add due to timing of project expenditure obligations

138,000

21,500

55,071

187,801

492,575

Expansion Projects
Planning Costs
Development Costs
Modernization Projects
Preservation Projects

FY 2026 Expansion Construction Projects - \$161.4 M

ADOT

161,350

21,500

48,871

200,430

493,143

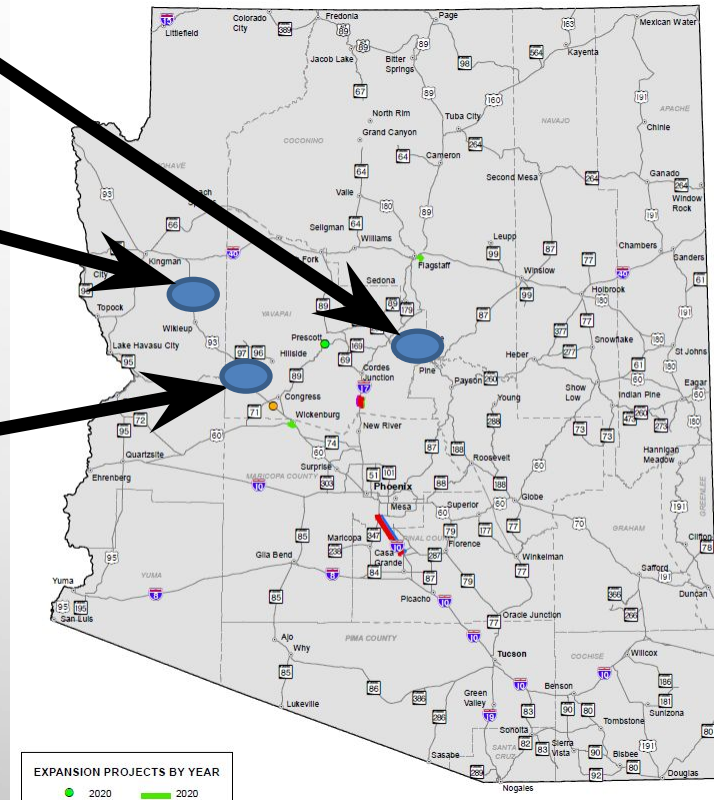
**54.5M; SR 260
Lion Springs**



**\$63.9M; US 93
Cane Springs**



**\$43M; US 93
Vista Royale**



Expansion Projects
Planning Costs
Development Costs
Modernization Projects
Preservation Projects

ARIZONA DEPARTMENT OF TRANSPORTATION

Amounts may not add due to timing of project expenditure obligations

FY 2027 Expansion Construction Projects - \$124.5 M

ADOT

124,500

21,500

47,371

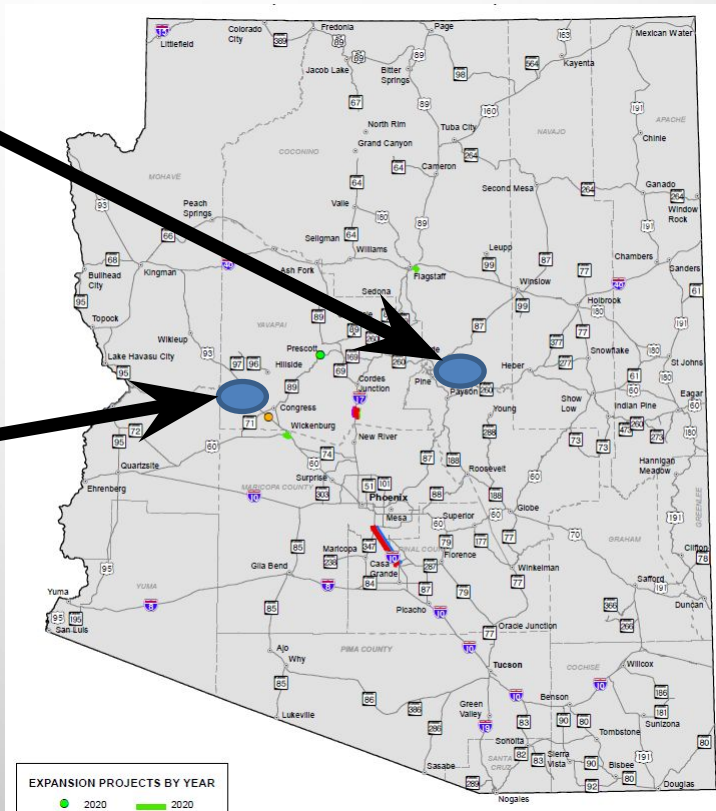
163,782

602,691

**\$54.5M; SR 260
Lion Springs**



**\$70M; US 93
Big Jim Wash**



Expansion Projects
Planning Costs
Development Costs
Modernization Projects
Preservation Projects

ARIZONA DEPARTMENT OF TRANSPORTATION

Amounts may not add due to timing of project expenditure obligations

FY 2028 No Expansion Construction Projects

ADOT

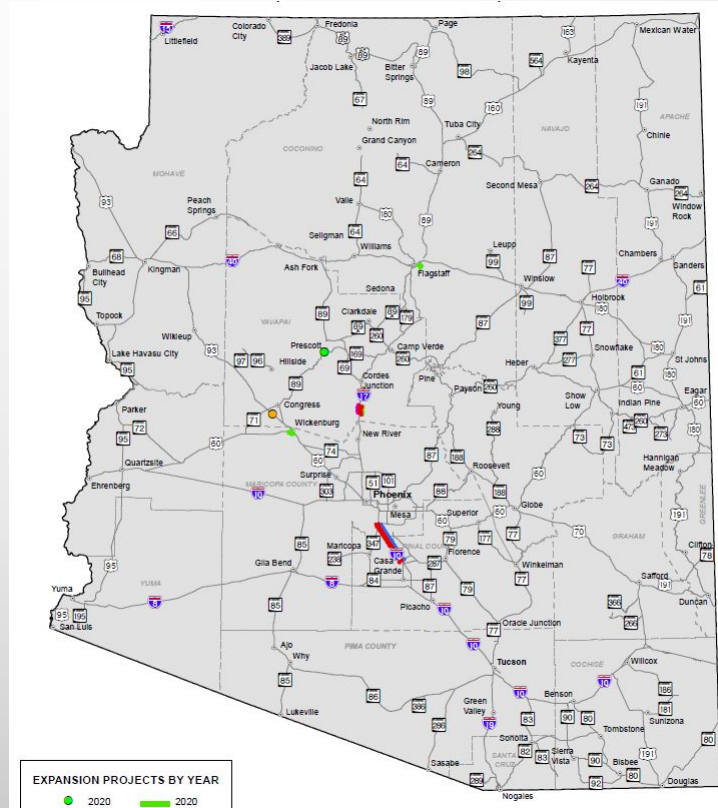
21,500

47,385

139,562

754,098

Expansion Projects
Planning Costs
Development Costs
Modernization Projects
Preservation Projects



2024 - 2028

Five-Year Transportation
Facilities Construction Program

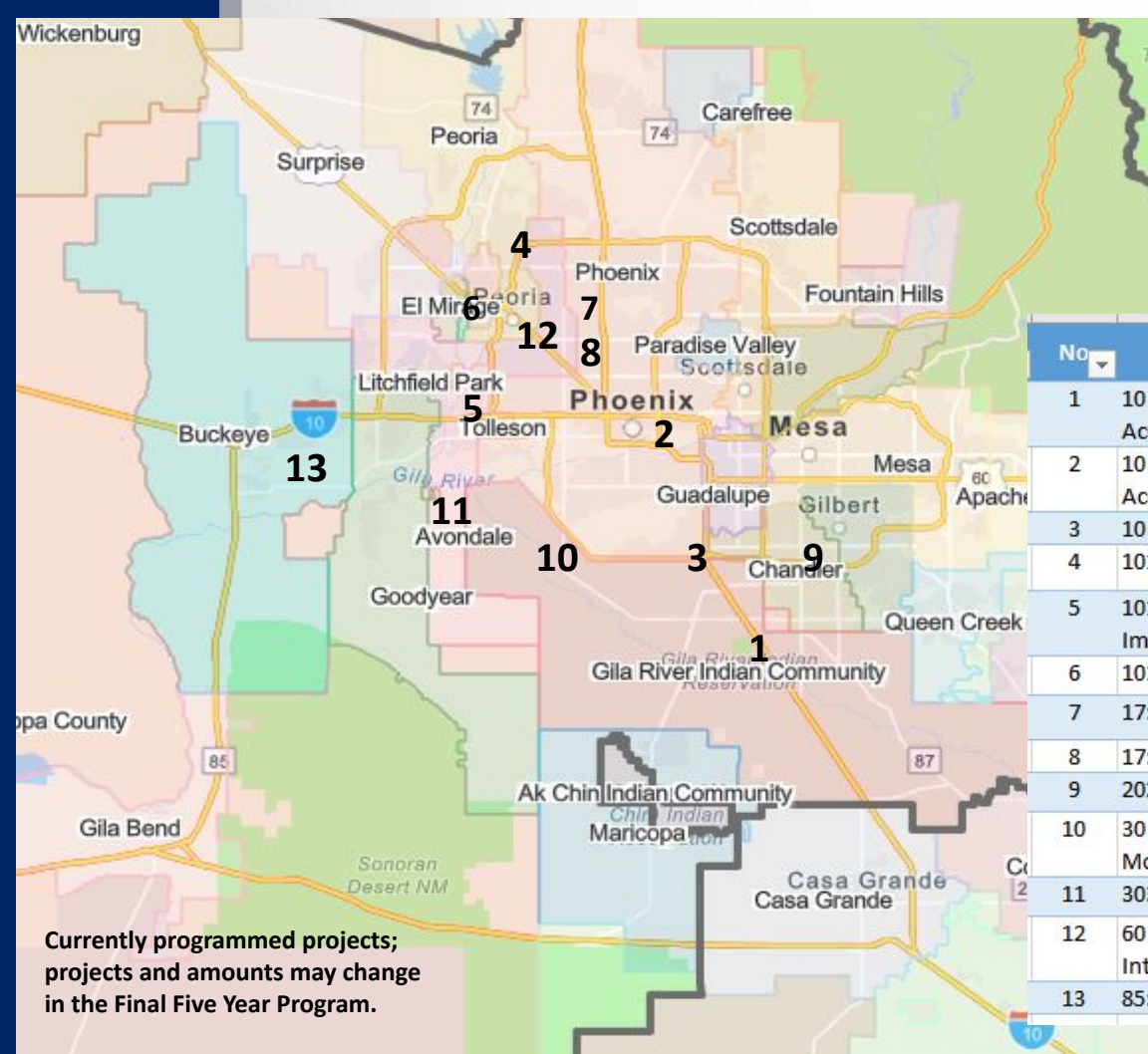
TENTATIVE

ADOT

Maricopa County



Maricopa County Regional Transportation Plan Freeway Program - Current Projects



No	Location	2024 \$	2025 \$
1	10 (Maricopa): Gila River Indian Community Access Improvements	50,000,000	
2	10 (Maricopa): Sky Harbor West Airport Access	15,000,000	85,000,000
3	10 (Maricopa): SR202L Santan - Riggs Rd		179,902,857
4	101 (Agua Fria): 75th Ave - I-17	159,818,752	
5	101 (Agua Fria): I-10 System Interchange Improvements		194,967,699
6	101 (Agua Fria): Northern Ave TI	10,000,000	
7	17: Camelback Rd TI	1,547,513	1,205,622
8	17: Indian School Road TI	49,902,688	
9	202 (Santan): Val Vista Dr to SR-101	188,356,644	
10	30 (Tres Rios): SR303L - SR202L South Mountain, Phase 1	62,157,003	3,000,000
11	303 (Estrella): MC 85 - Van Buren St		257,532,170
12	60 (Grand Ave): 35th Ave/Indian School Rd Intersection		99,015,170
13	85: Warner Street Bridge		5,300,000

Currently programmed projects;
projects and amounts may change
in the Final Five Year Program.

2024 - 2028

Five-Year Transportation
Facilities Construction Program

TENTATIVE

ADOT

Pima County



Pinal County
Pima County

Tucson Metro Area Milepost System

Currently programmed projects;
projects and amounts may change in
the Final Five Year Program.

I-19 Irvington TI \$79M FY 24

**I-10 Country Club Rd TI \$141M
Total Programmed FY 24-26**

I-10 Kino TI \$163.9M FY 24-26

**I-19 Valencia Road to I-10
widening \$79M FY 25-26**



2024 - 2028

Five-Year Transportation
Facilities Construction Program

TENTATIVE

ADOT

Airport Capital Improvement Program



Airport Capital Improvement Program

Fiscal Year 2024

Program	Amount
Federal/State/Local match (FSL)	\$8,000,000
State/Local (SL)	\$10,000,000
Airport Pavement Maintenance System (APMS)	\$5,000,000
Grand Canyon national Park Airport (GCN)	\$20,6550,000
State Planning Services	\$1,000,000
Total Airport Capital Improvement Program	\$44,705,000

SIX TO TEN YEAR PROGRAM

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



Next Steps

- May 19, 2023 Public Hearing Tentative Program
- Public Comment Period - March thru May
- Study Session June 1, 2023
- Final Approval by STB on June 16, 2023
- State Fiscal Year starts July 1, 2023

Questions