FY 2021 – 2025
Tentative Five Year Program

January 28, 2020

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Director for Multimodal Planning Division

2021-2025 Tentative Program Discussion

- **Background**
- **Overview of Asset Condition**
- **P2P Process**
- **Tentative 5-Year Highway Delivery Program**
- **MAG: Tentative Program**
- **PAG: Tentative Program**
- **Airport Program**
- **Next Steps**

Background

- Developed collaboratively with STB, ADOT (IDO,TSMO, FMS, MPD) and Regional Partners
- Demonstrates how federal and state dollars will be obligated over the next five years.
- Approved annually
- Fiscal year starts each July 1
- Must be fiscally constrained – STB Five Year Program

Overview of Asset Condition

$22.9 Billion = Value of State Highway System Infrastructure

ADOT

$22.9 Billion

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

Bridge Ratings

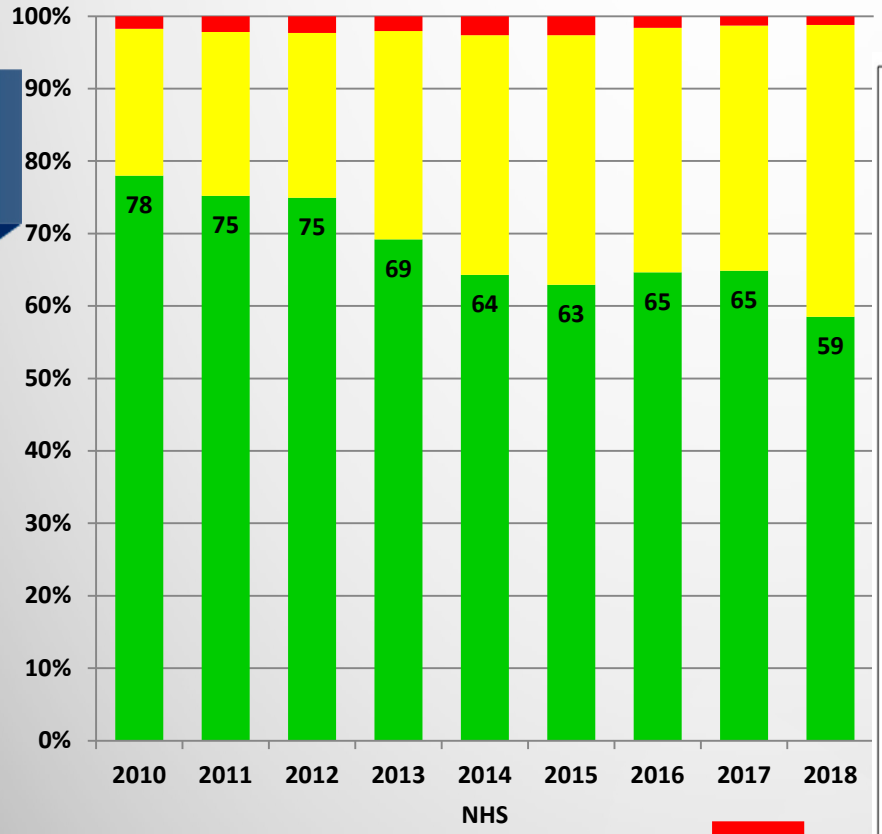
Good: Primary structural components have no problems or only very minor deterioration.

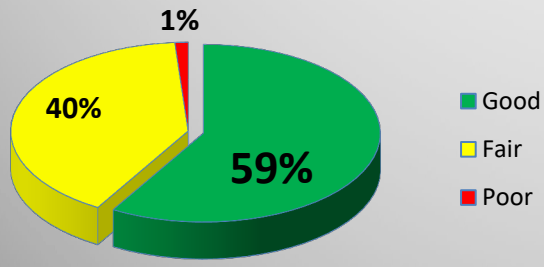
Fair: Primary structural components are sound but have some concrete deterioration or erosion around piers or abutments caused by flowing water (scour).

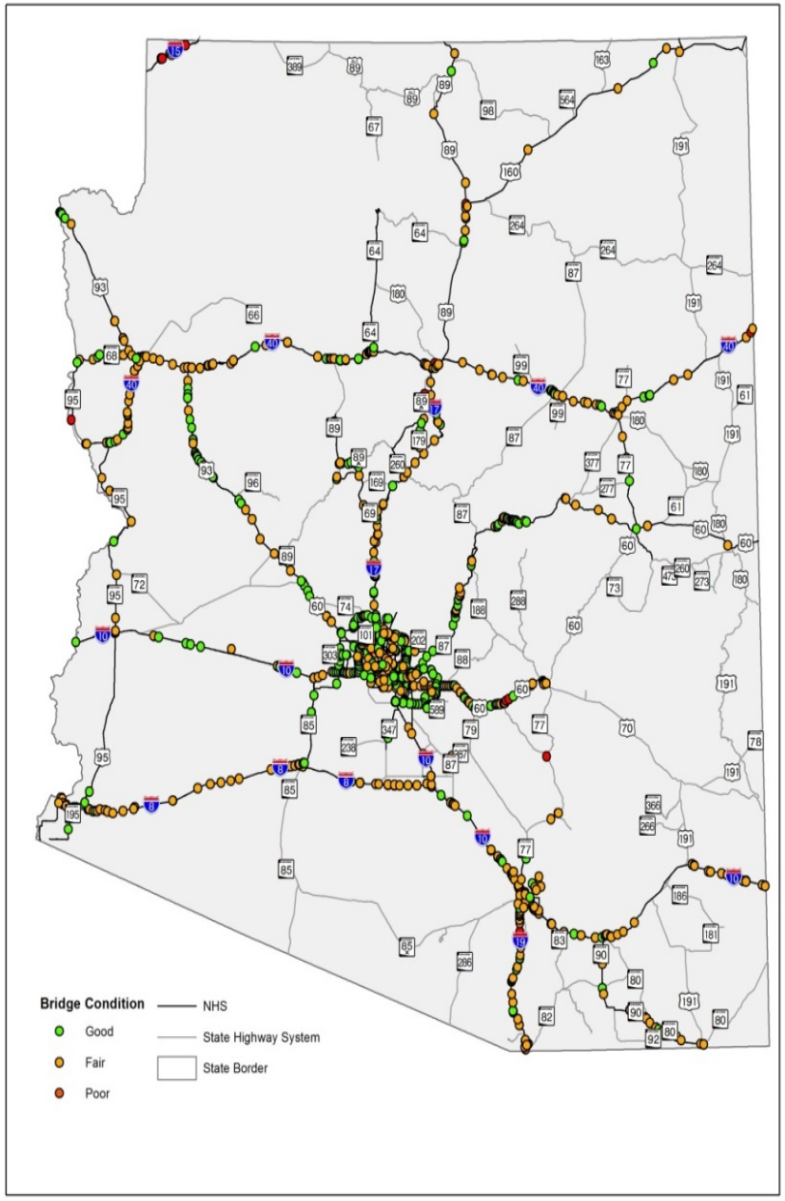
Poor: Advanced concrete deterioration, scour or seriously affected primary structural components. A poor condition bridge is not unsafe. Unsafe bridges are closed.

59% Good

Bridge Condition







Pavement Ratings

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

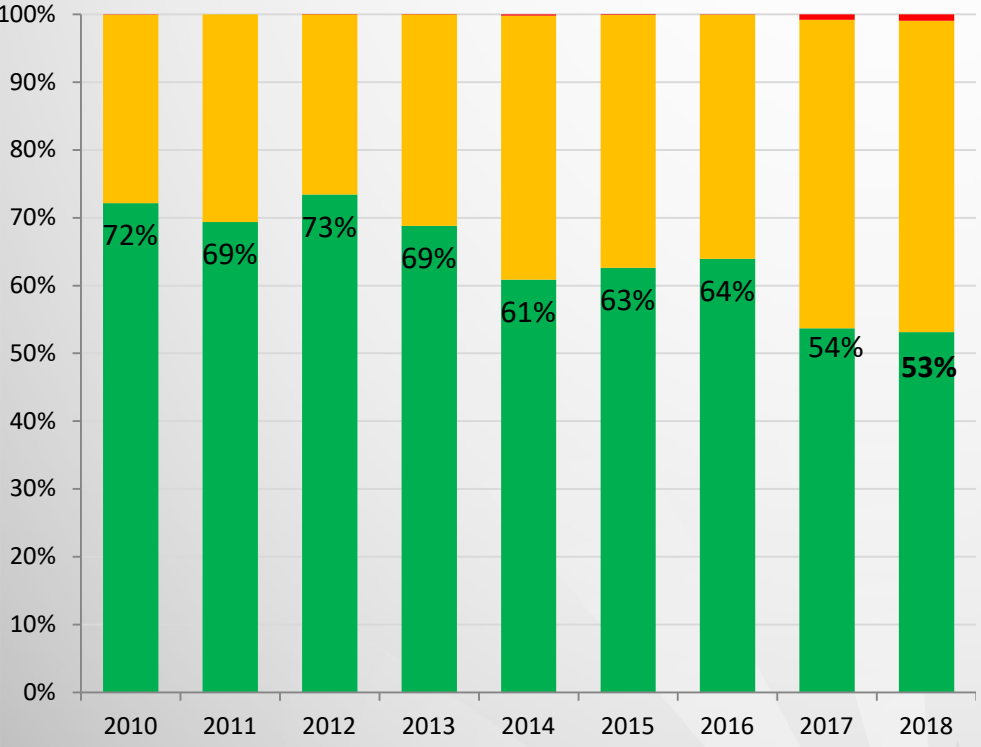
Fair – Moderate amounts of cracking that lead to increased roughness of the road surface. Shallow ruts in the wheel path.

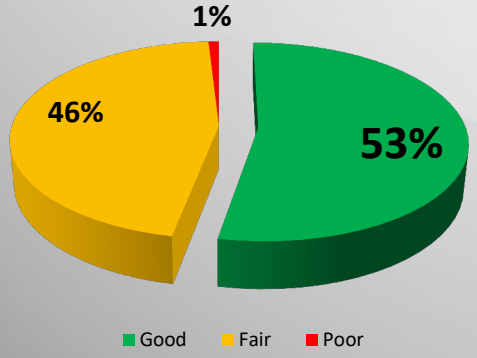
Poor – Numerous cracks, rough road surface, ruts in the wheel path, potholes and disintegration of the road surface.

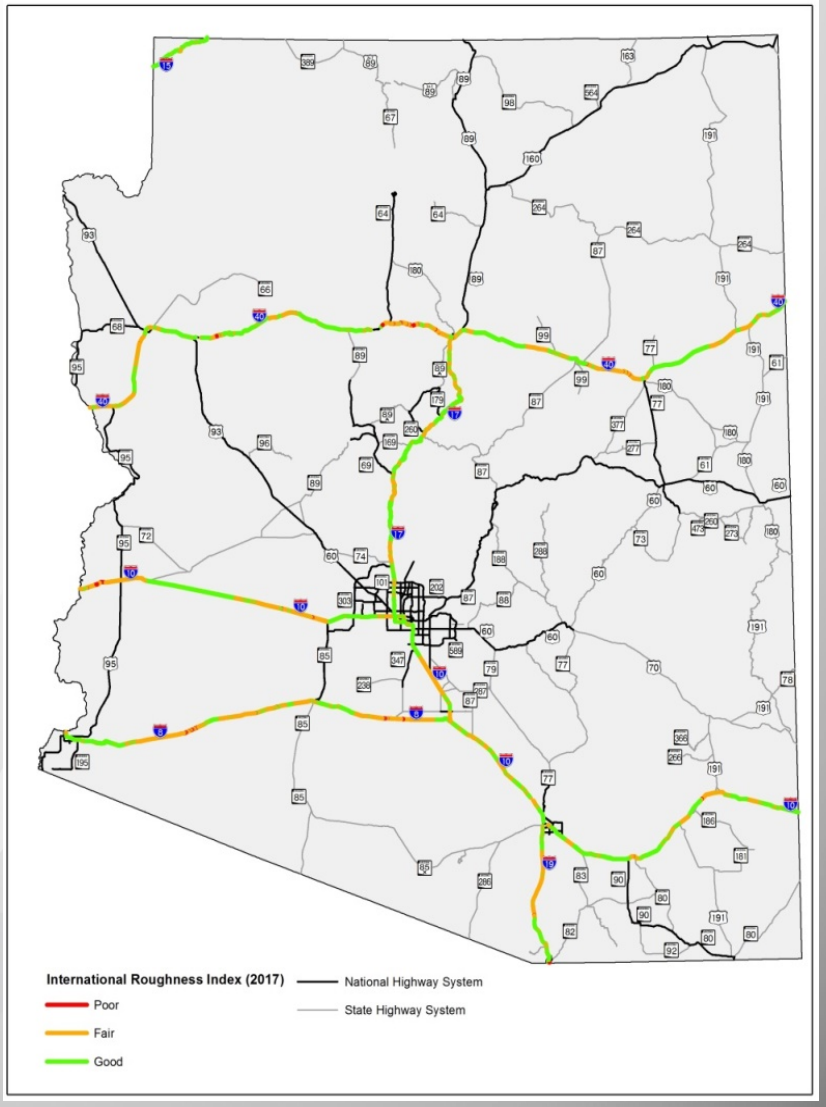
ADOT

53% Good

Pavement Condition: Interstates



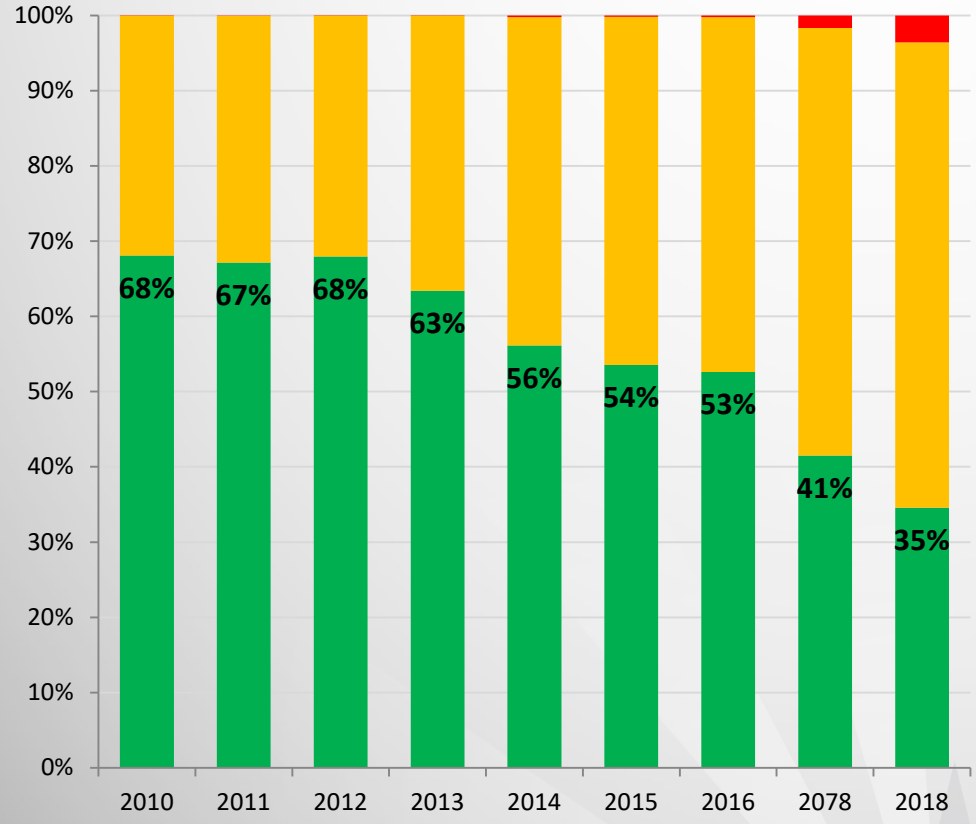


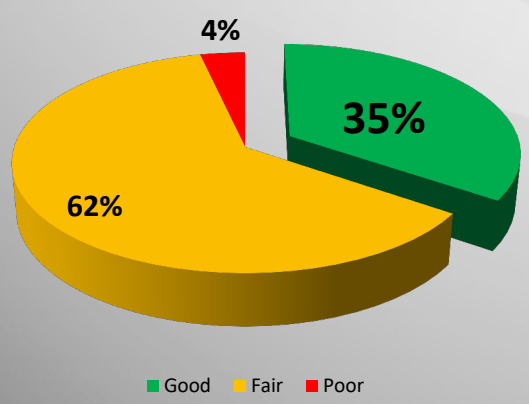


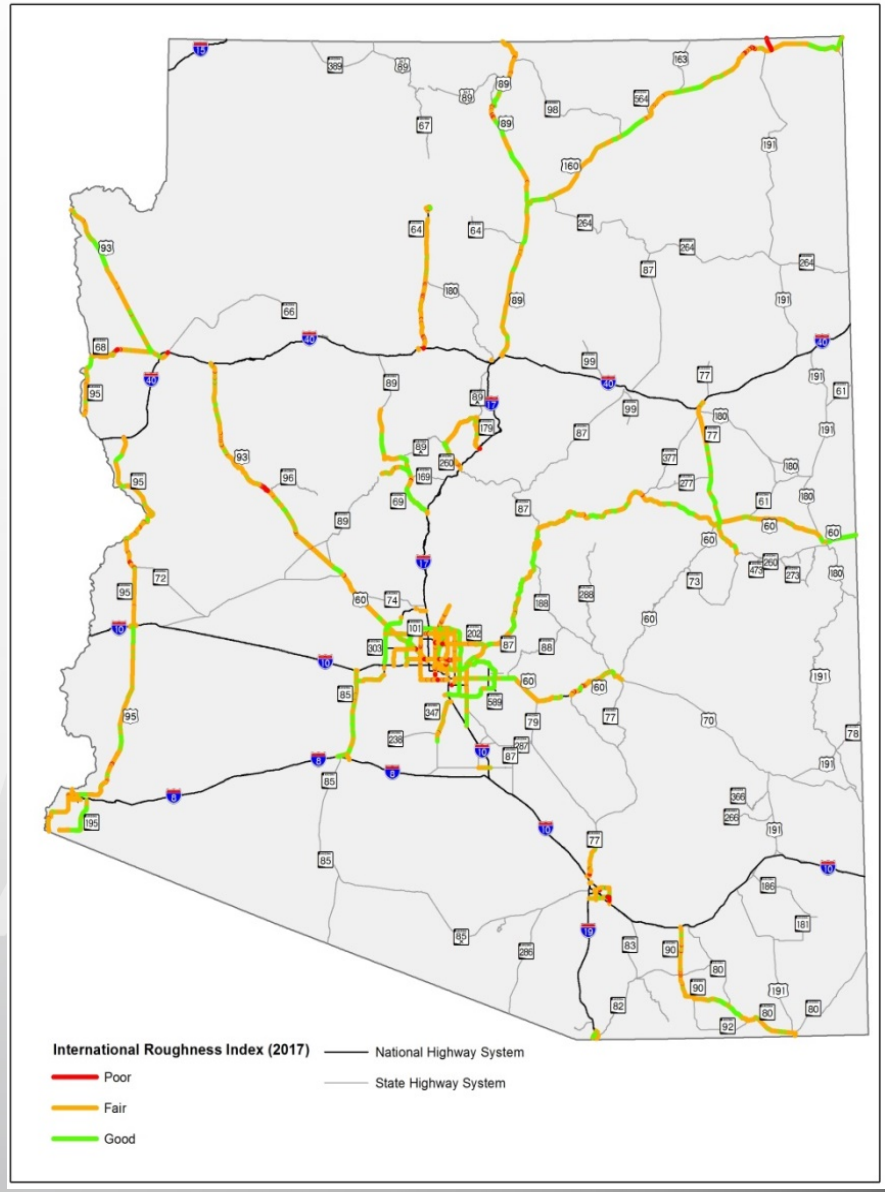
ADOT

35% Good

Pavement Condition: NHS





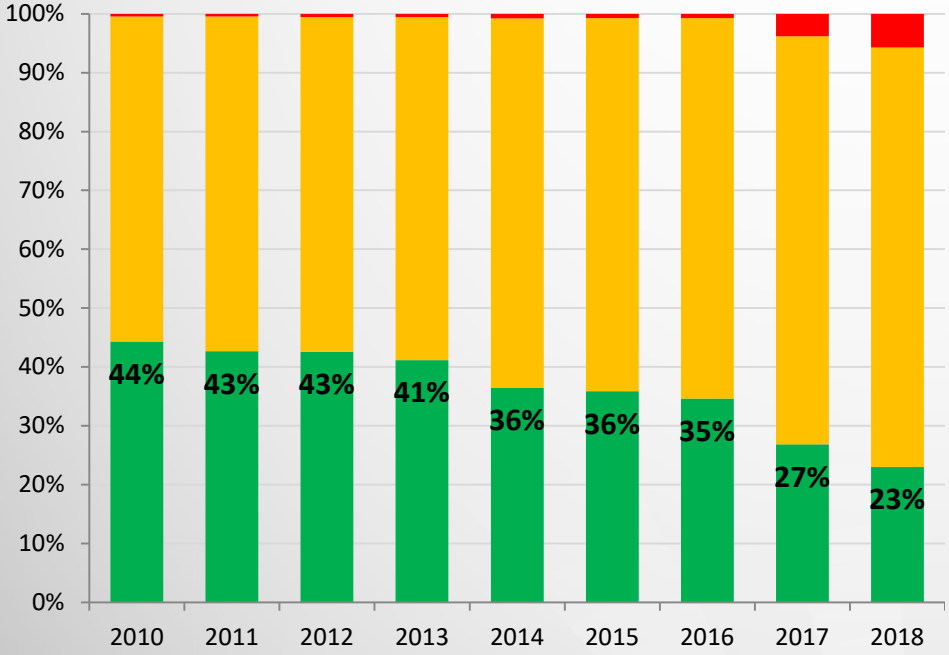


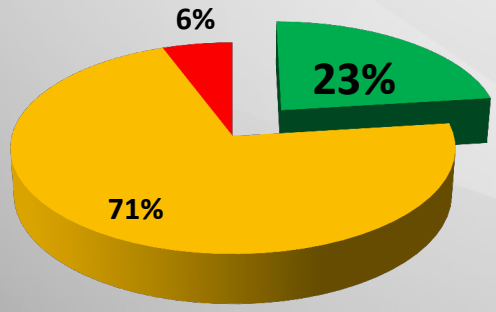
ARIZONA DEPARTMENT OF

ADOT

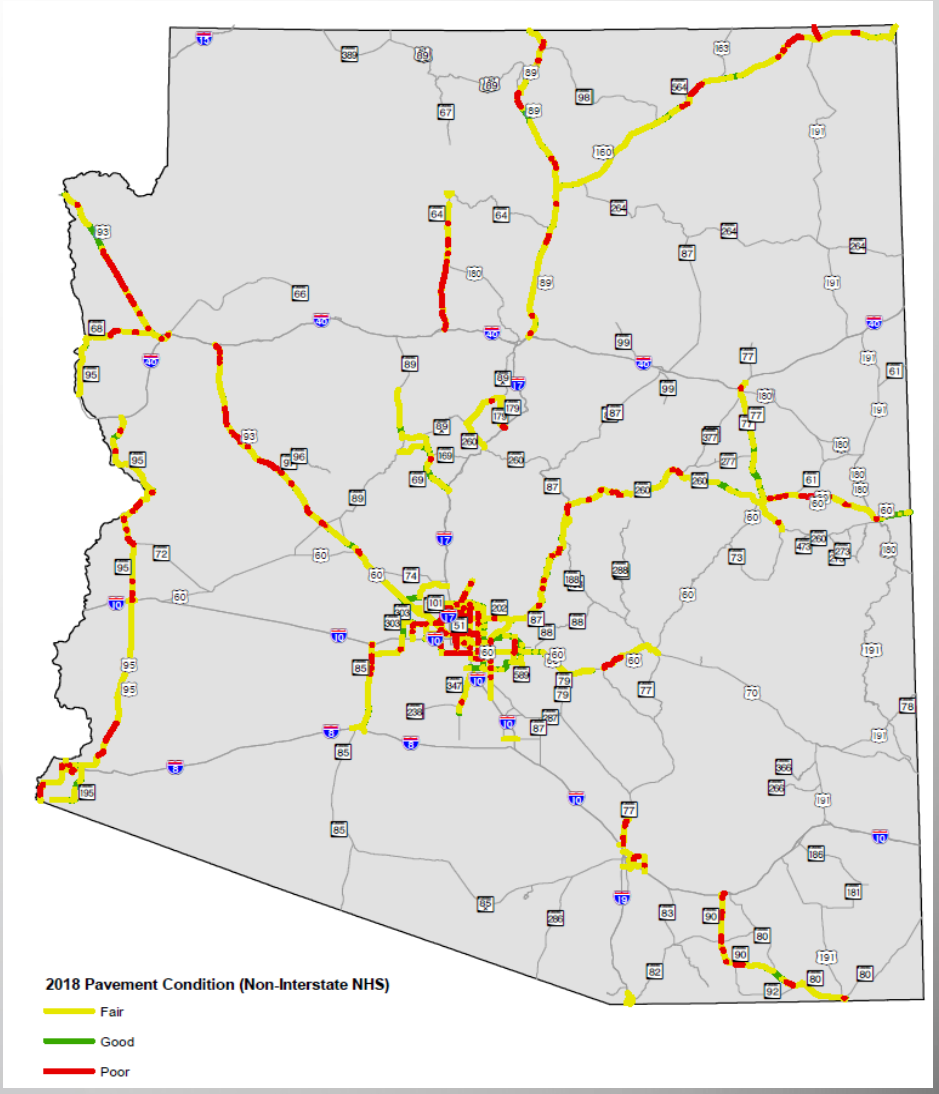
Pavement Condition: Non-NHS

23% Good





Good Fair Poor



WMYA 2040

Categories of Highway Need/Investment

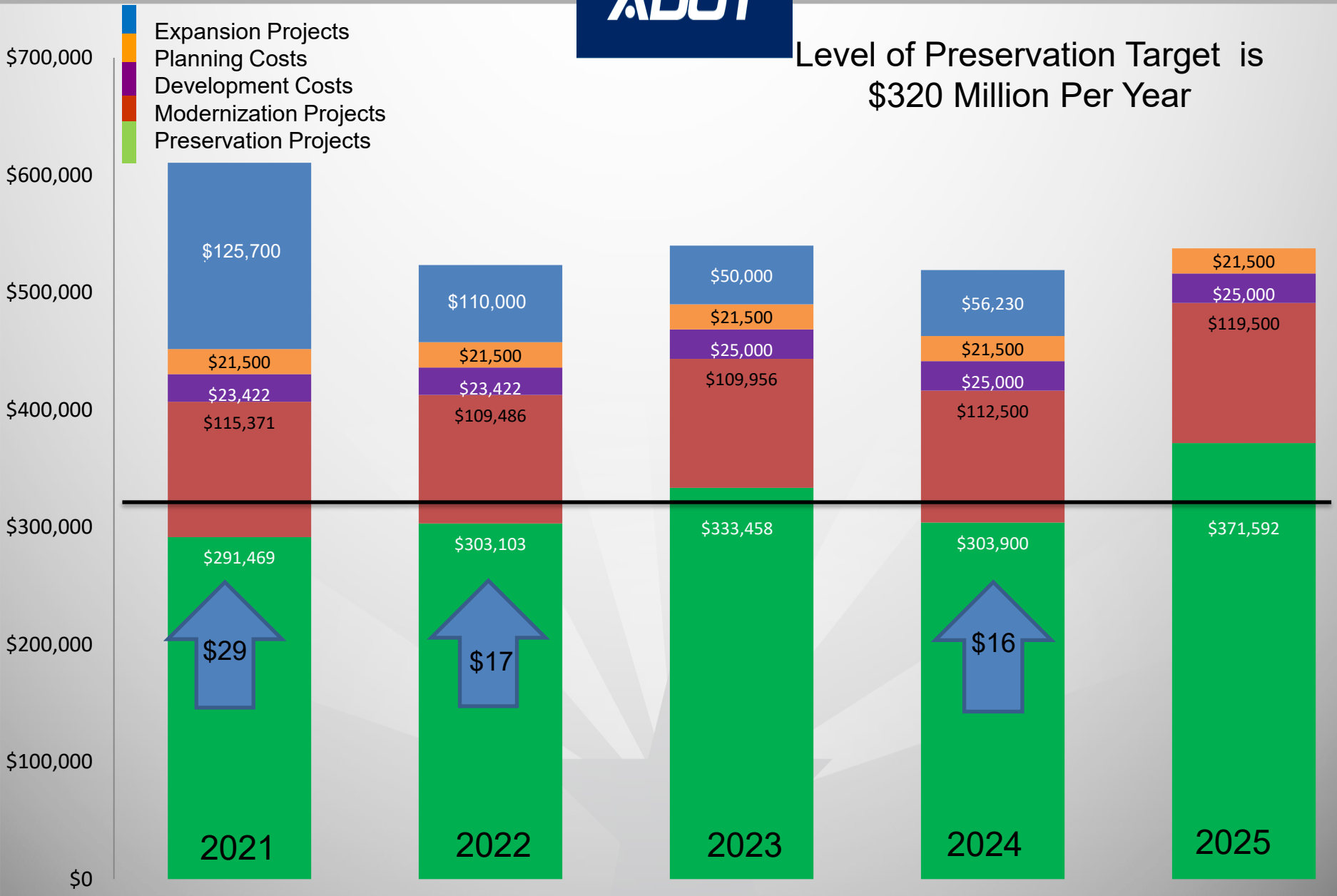
- *Preservation:* Investment to keep pavement smooth and maintain bridges
- *Modernization:* Non-capacity investment that improves safety & operations (e.g. adding shoulders or smart technology)
- *Expansion:* Investment that adds capacity to the highway system (e.g. new roads, added lanes or new interchanges)

P2P DEFINITIONS & SAMPLE WORK TYPES

Preservation (Pavement)	Preservation (Bridge)	Modernization	Expansion
Improve or sustain condition to state of good repair	Improve or sustain condition to state of good repair	Upgrade efficiency, functionality or safety	Add capacity by adding new facilities
Work Examples: Concrete repair Pothole repair Mill & fill Overlay Chip seal Crack seal Major AC overlay Road replacement Spot reconstruct	Work Examples: Approach overlay Barrier repair Crash repair Scour repair Deck joint/seal replacement Deck overlay Superstructure replacement	Work Examples: Intersection enhancement ADA/pedestrian Bike lane/shoulder Climbing/passing lane Drainage work ITS project Rockfall mitigation	Work Examples: New grade-separated over-pass/underpass New lanes New road

ADOT

Level of Preservation Target is $320 Million Per Year



PLANNING TO PROGRAMING (P2P)

- Funding – Due to finite funding, projects must be prioritized to ensure the funds are utilized on projects which provide the highest value and satisfy the greatest need.
- Performance Measures – Programmed projects must provide an improvement in the performance measures which include Safety, Infrastructure Condition, Congestion Reduction…
- Compliance with objectives and goals provided in the Long Range Transportation Plan.

P2P Project Types and Scoring Basics

ADOT

P2P

Pavement Preservation

Greater AZ Annual Investment Target:
$260M

Scoring:
Technical & Safety = 45%
District = 45%
Policy = 10%

Bridge Preservation

Greater AZ Annual Investment Target:
$60M

Scoring:
Technical & Safety = 60%
District = 30%
Policy = 10%

Modernization

Greater AZ Annual Investment Target:
$91M

Scoring:
Technical = 35%
District = 30%
Safety = 25%
Policy = 10%

Expansion

Greater AZ Annual Investment Target:
$0M

Scoring:
Technical = 50%
District = 25%
Safety = 15%
Policy = 10%

Develop Five Year Program

Greater Arizona Projects (from Districts, Technical Groups, Board, Others)

- Statewide Preservation Projects Prioritized List
- Statewide Bridge Projects Prioritized List
- Statewide Modernization Projects Prioritized List
- Statewide Expansion Projects Prioritized List — when applicable

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Long Range Transportation Plan Investment Category
Recommended Investment Category $$$

↓

MAG & PAG Projects →

Tentative 5 Year Program

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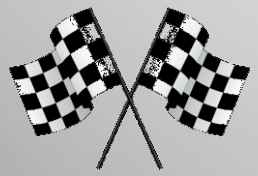
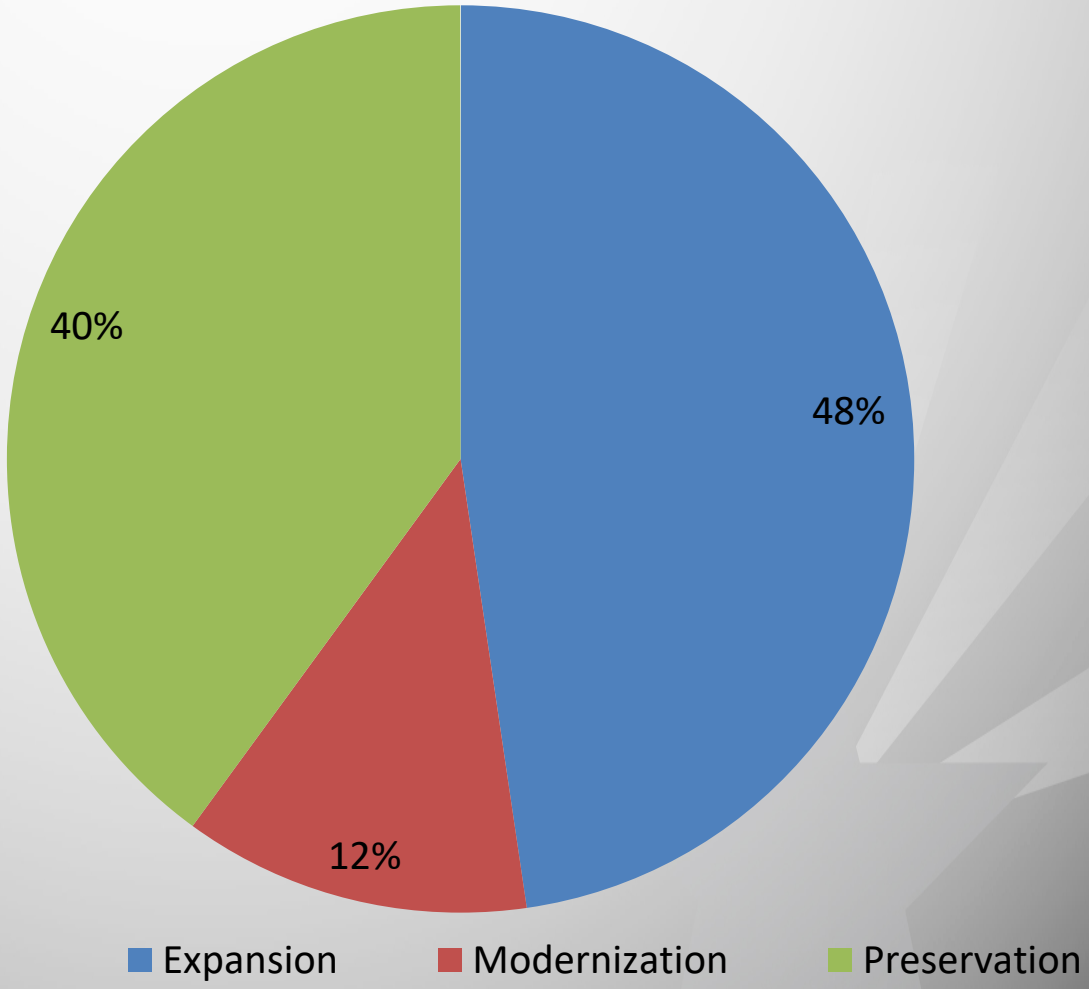


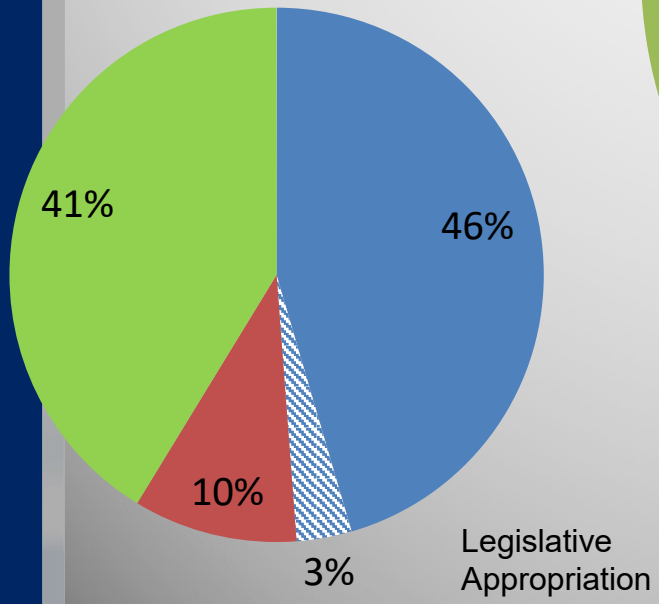
Board Approval

Includes MAG & PAG Funding

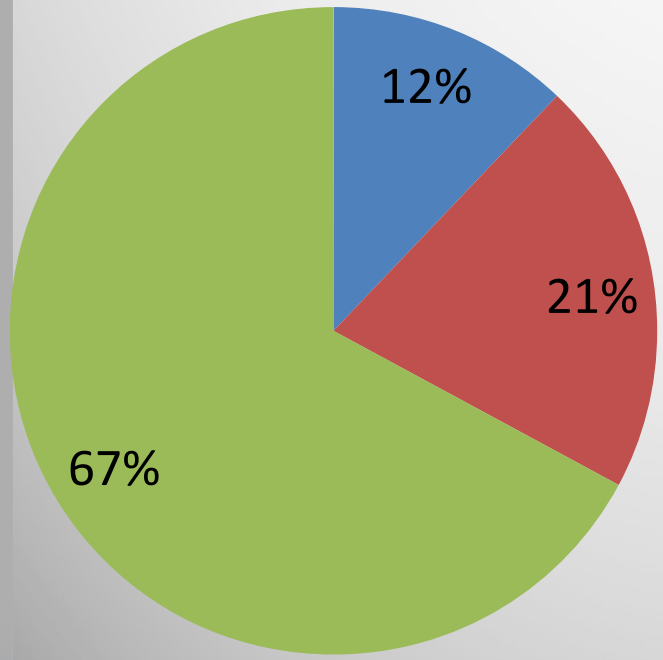
2021-2025 Tentative Facilities Construction Program



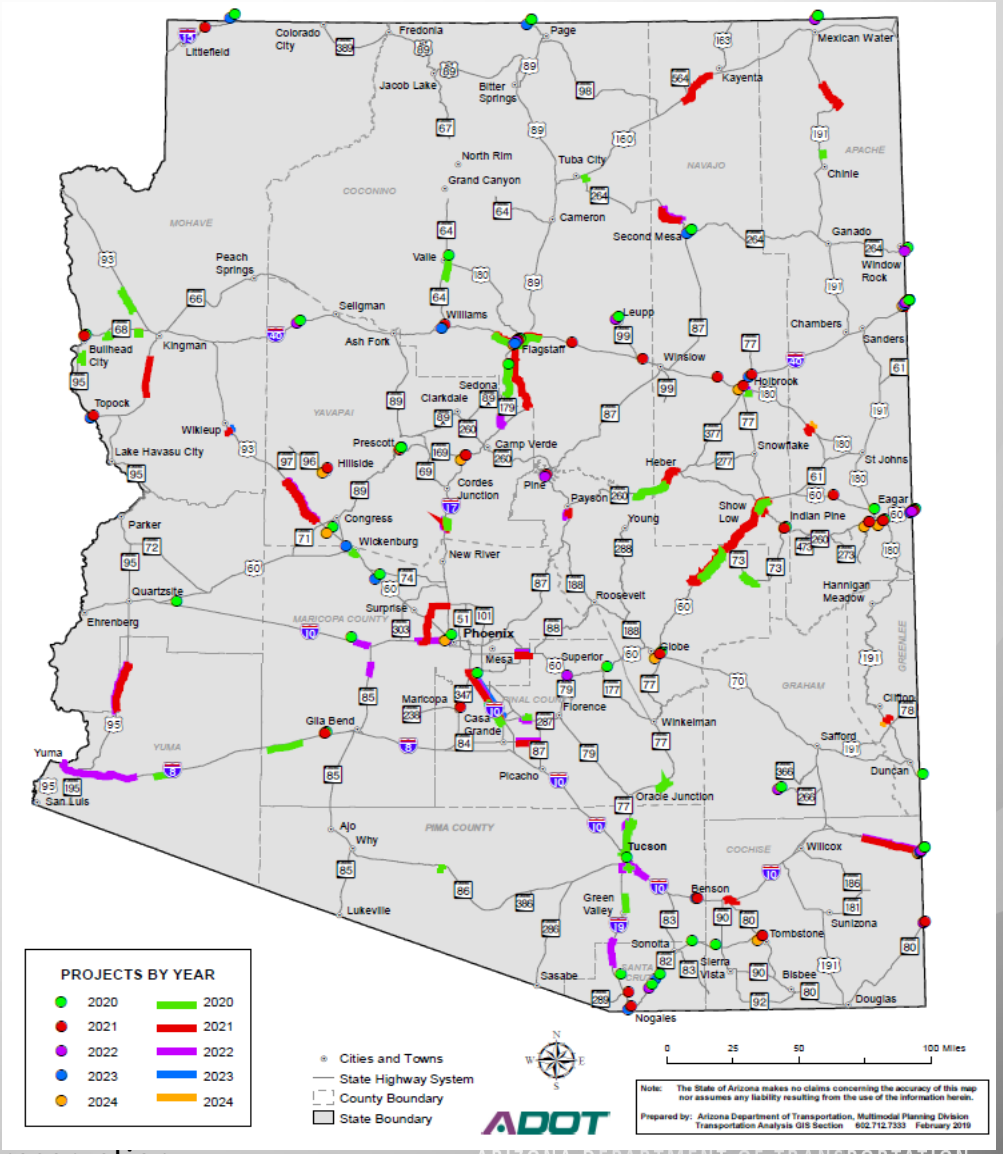
2020-2024 Facilities Construction Program



Greater Arizona Tentative 5-Year Highway Delivery Program(FY21-FY25)



Expansion Modernization Preservation



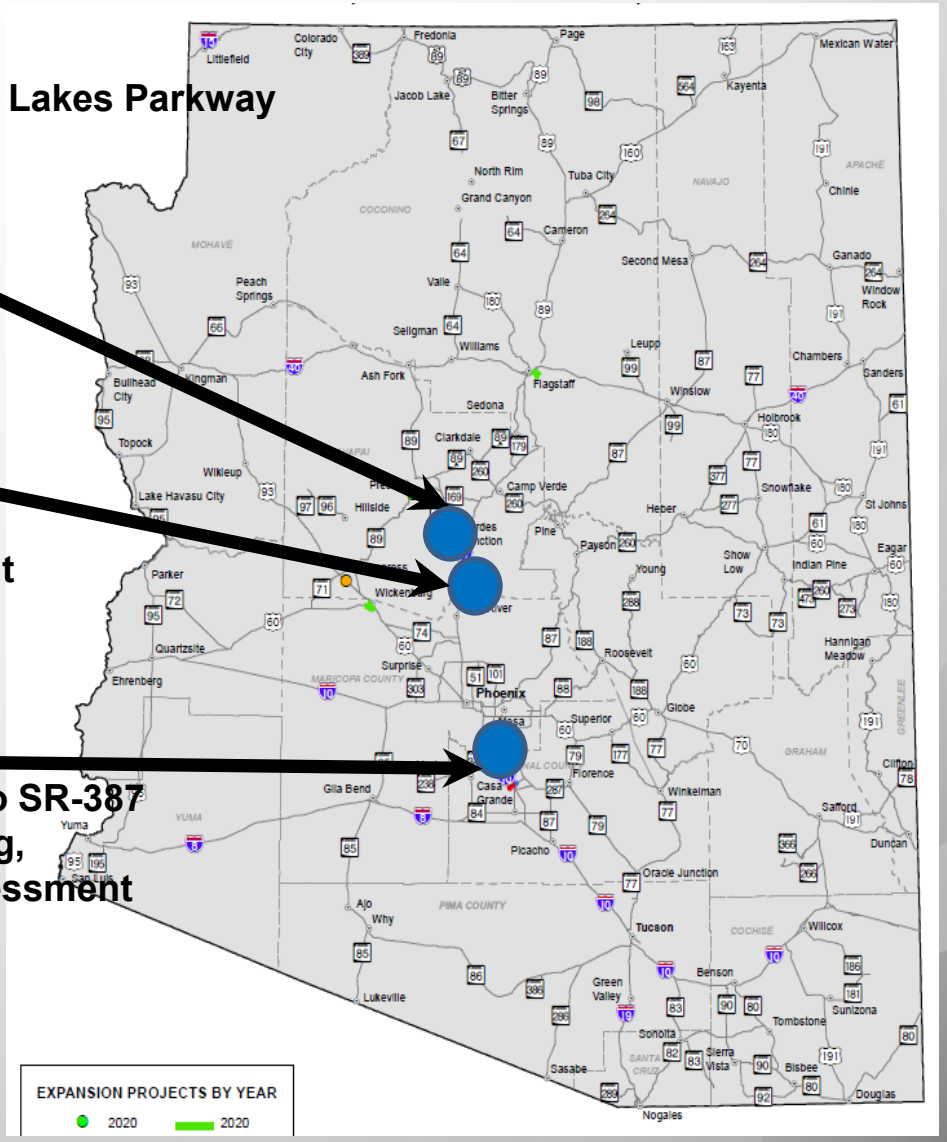
FY21 Expansion Projects – $125.7M

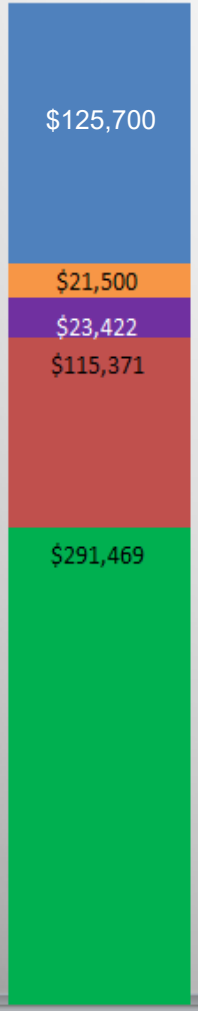
ADOT

$8.7M; SR-69 Prescott Lakes Parkway

$107M; I-17 Anthem to Sunset Point

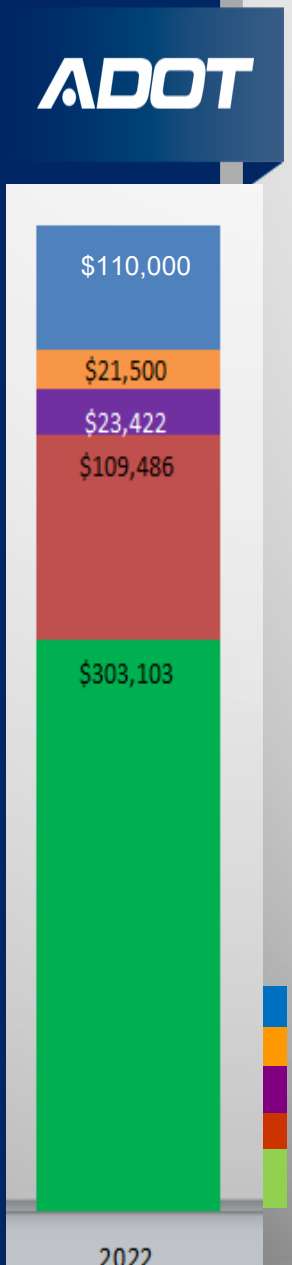
$10M; I-10 SR-202 to SR-387
Finish DCR, Scoping,
Environmental Assessment



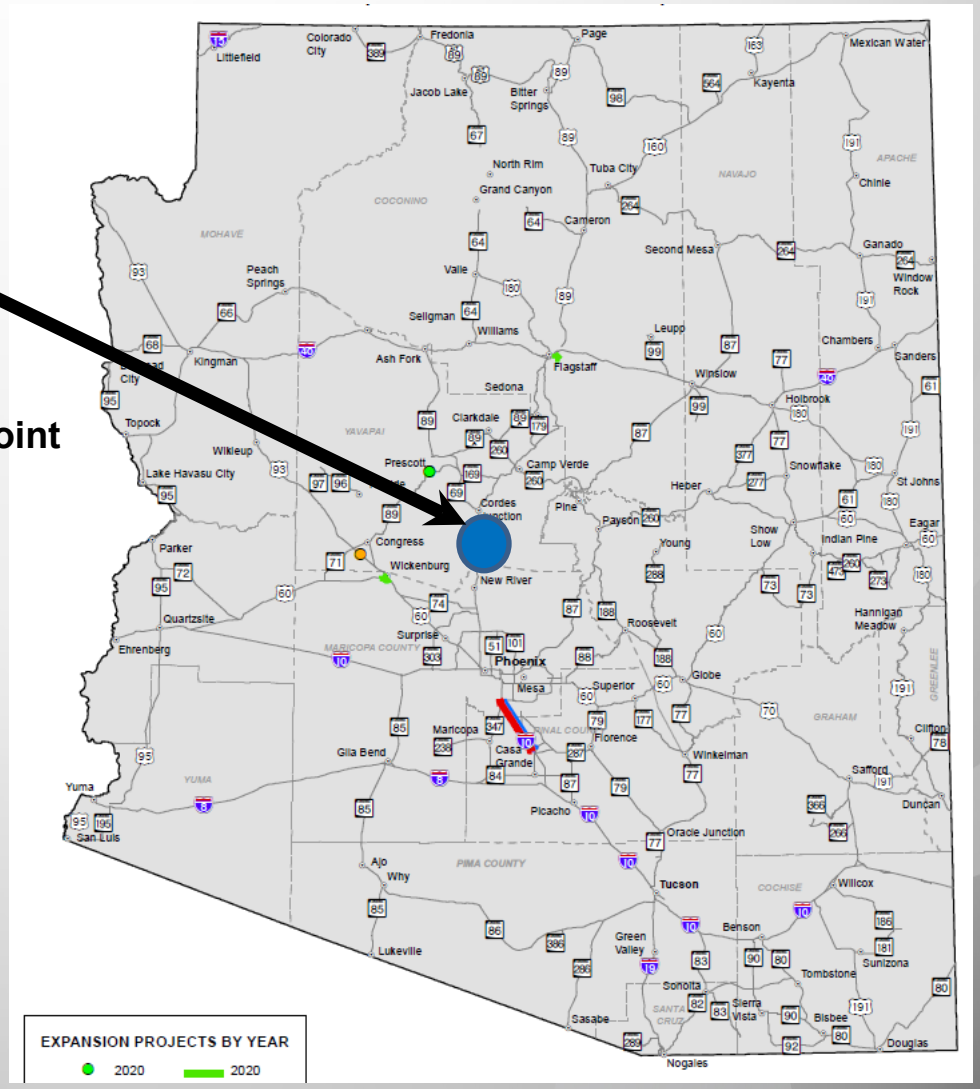


- Expansion Projects
- Planning Costs
- Development Costs
- Modernization Projects
- Preservation Projects

FY22 Expansion Project - $110M



$110M; I-17 Anthem to Sunset Point



- Expansion Projects
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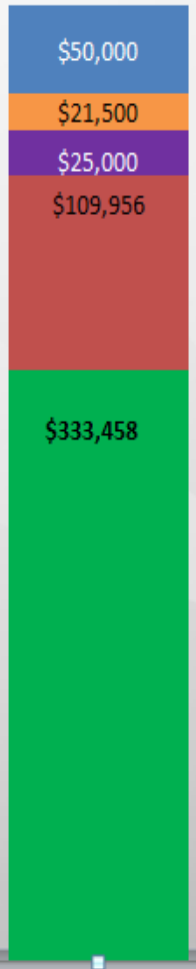
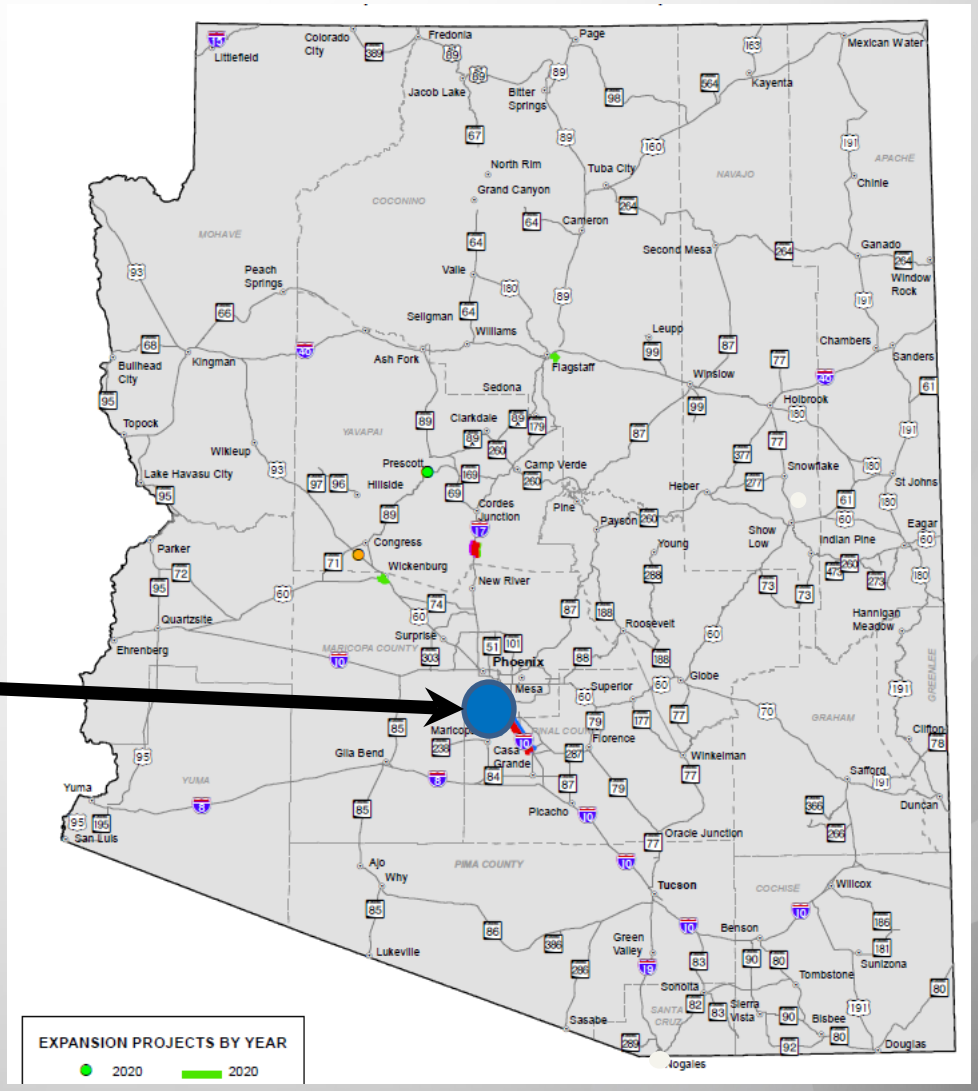
FY23 Expansion Project – $50M

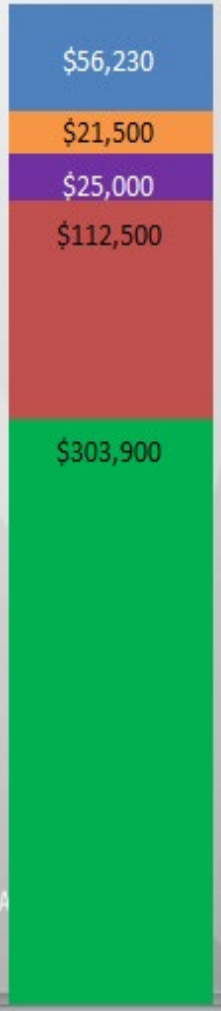


$50M; I-10 Next Segment

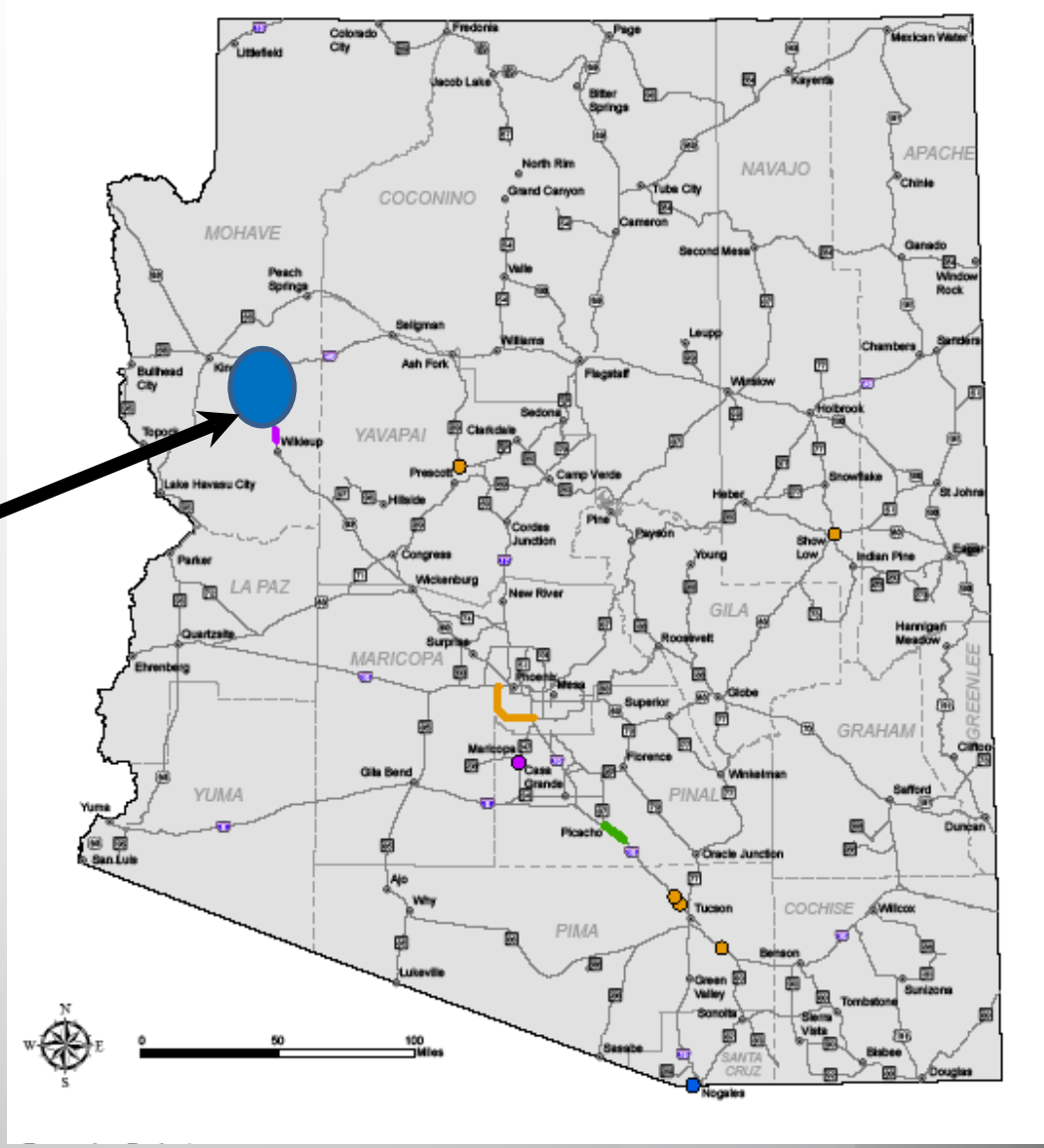


- Expansion Projects
- Planning Costs
- Development Costs
- Modernization Projects
- Preservation Projects

FY24 Expansion Project – $56.2M

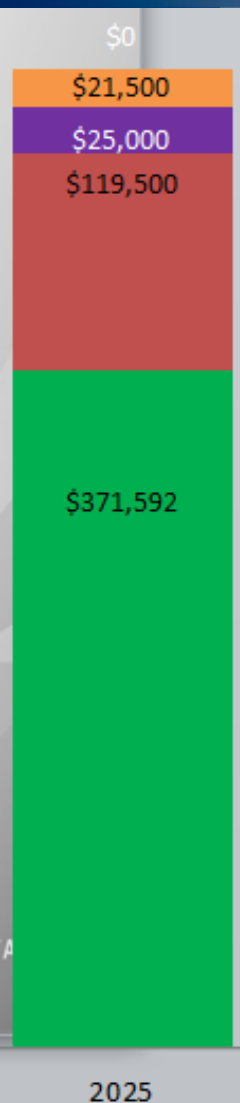


$56.2M; I-40/US93
West Kingman TI



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

FY 2025 No Expansion



- Expansion Projects
- Planning Costs
- Development Costs
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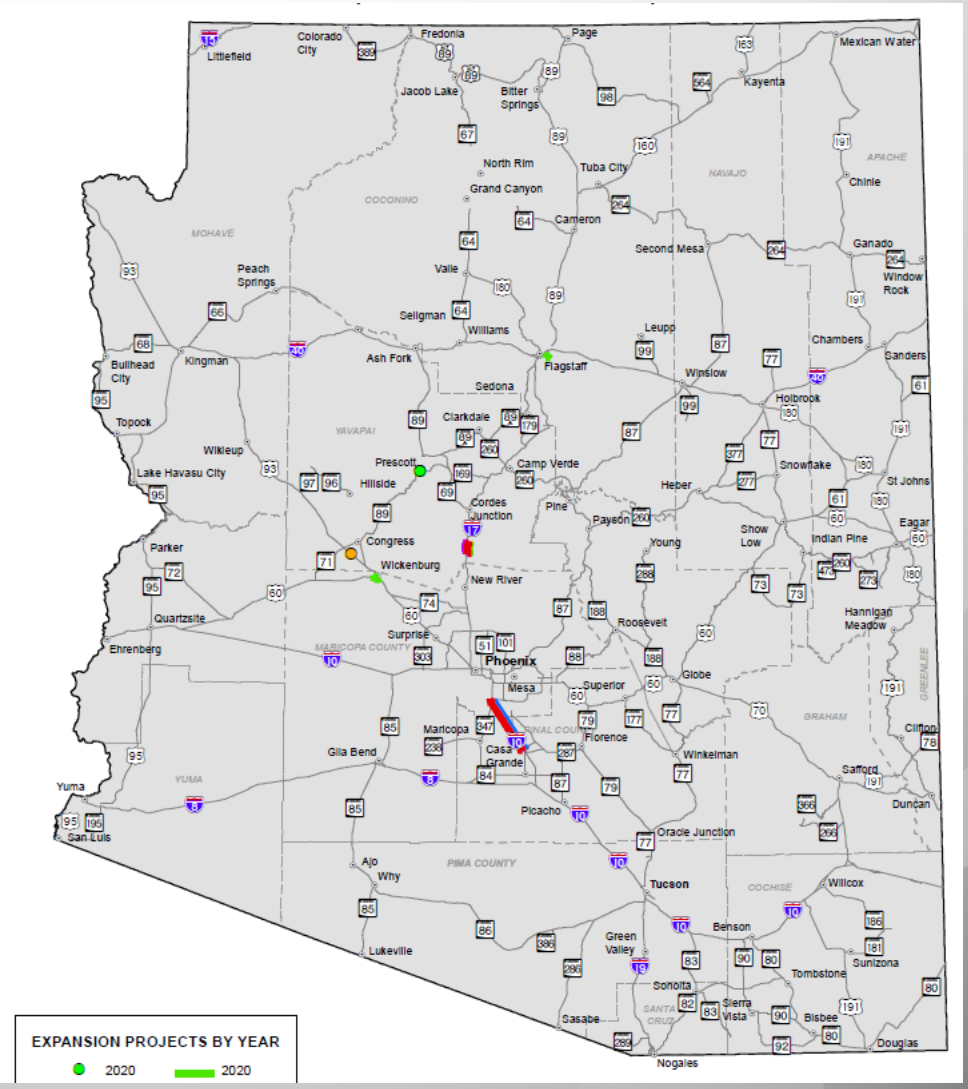
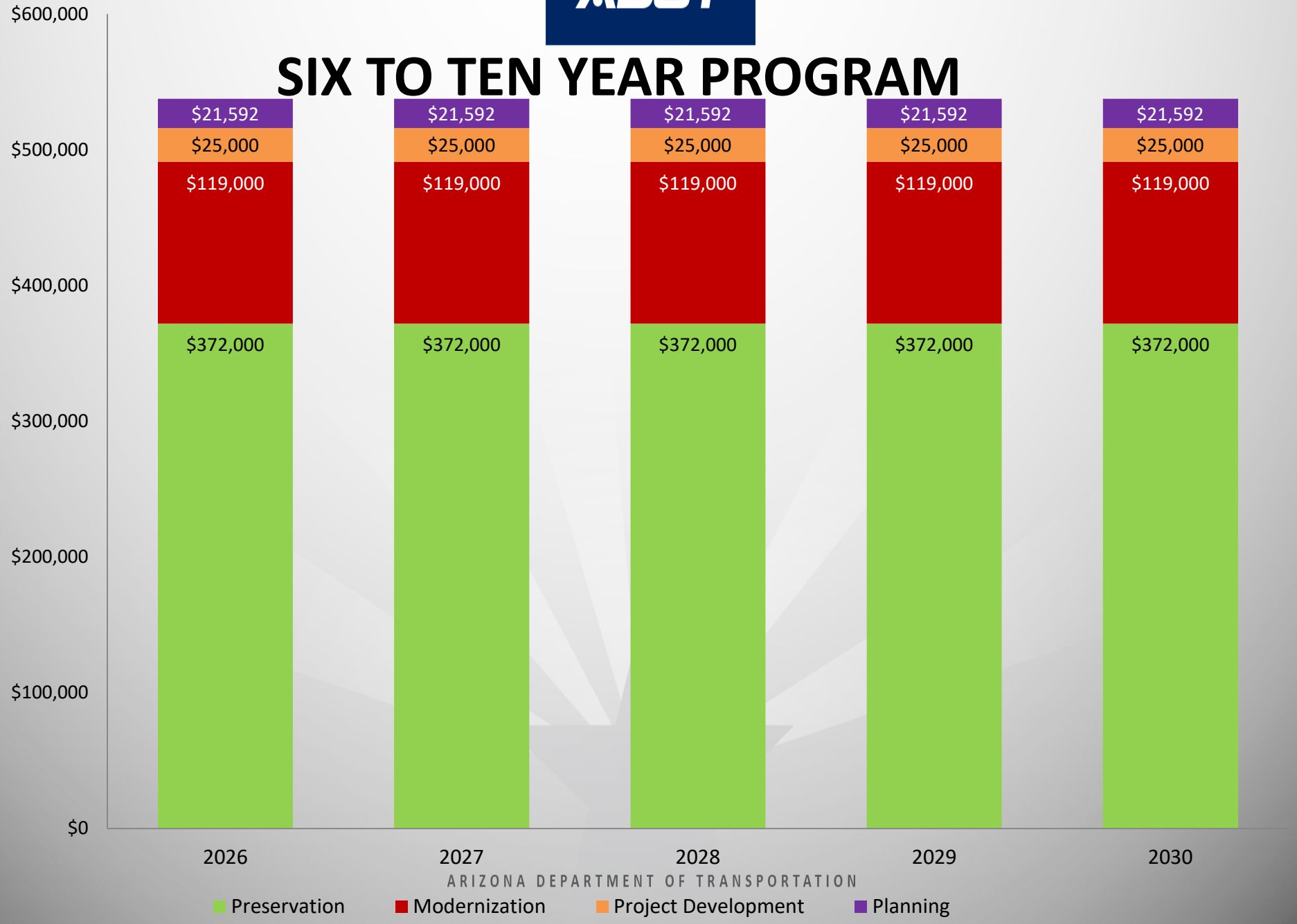
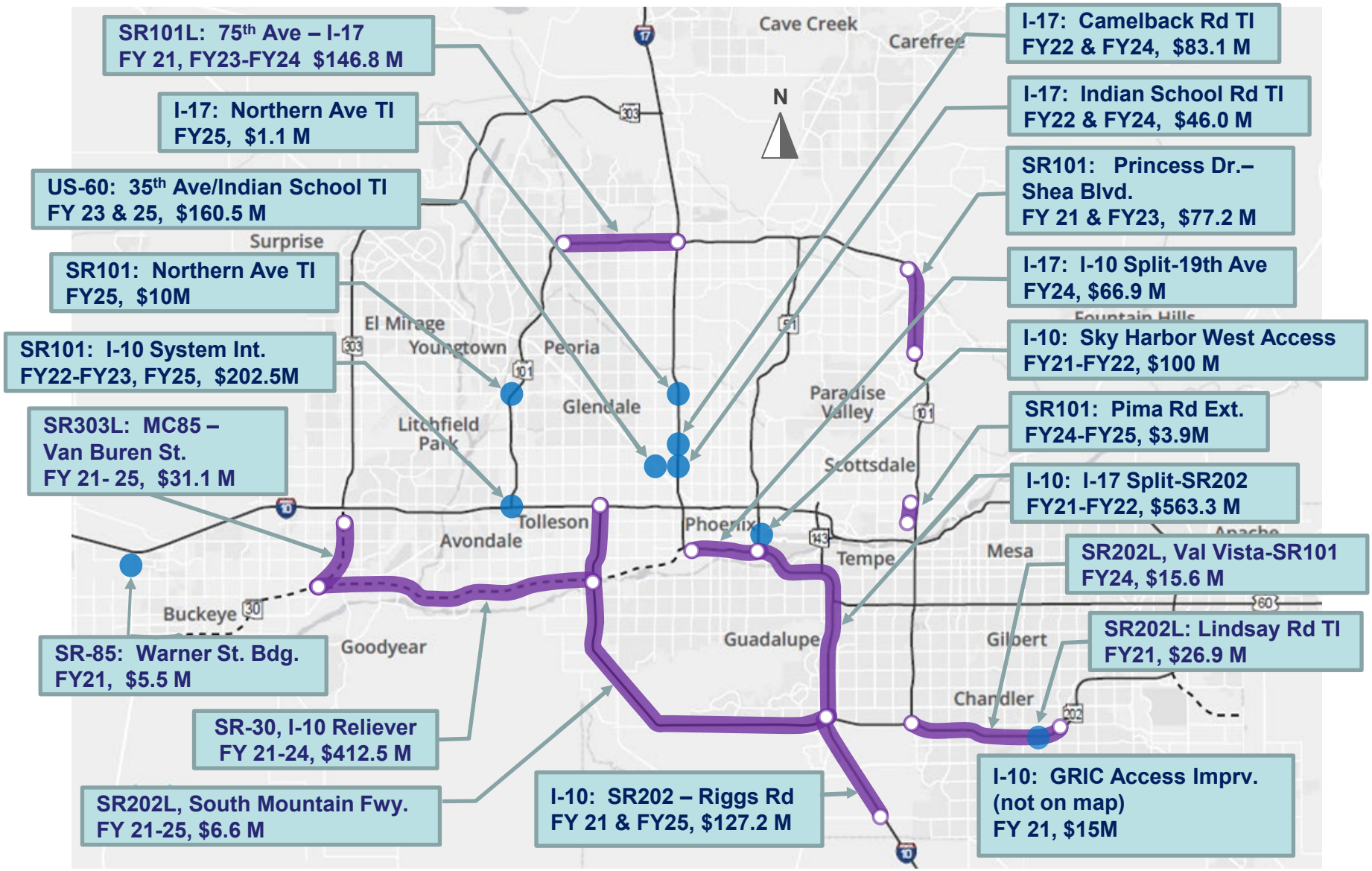


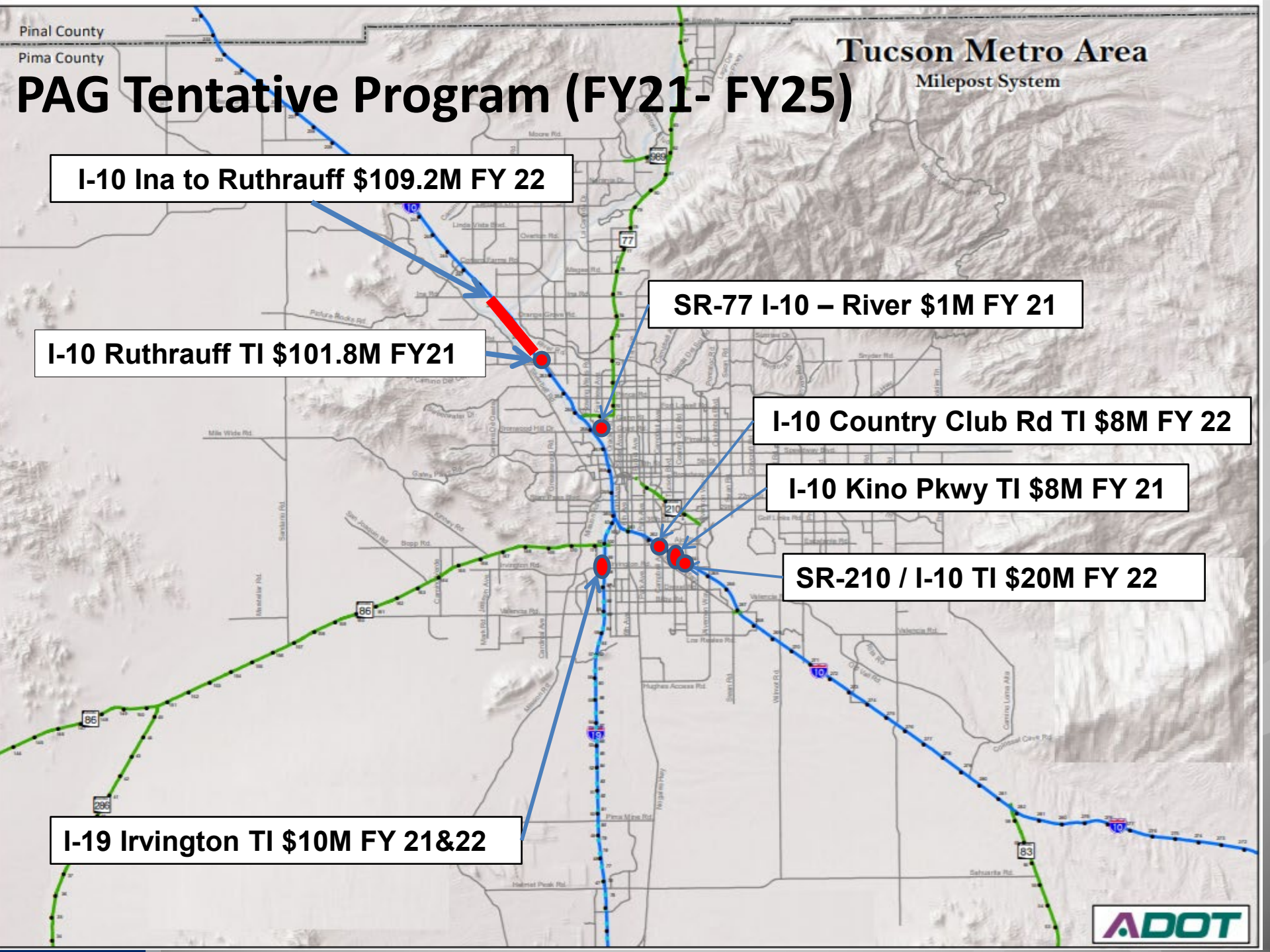
SIX TO TEN YEAR PROGRAM



MAG Regional Freeway Program (FY21- FY25)



PAG Tentative Program (FY21- FY25)



2021-2025

Five-Year Transportation Facilities Construction Program

TENTATIVE

Airport Capital Improvement Program

Mesa Gateway Airport of the Year

Airport Capital Improvement Program (ACIP)

Five-Year Development Program – Fiscal Year 2021

Program	Amount
Federal/State/Local match (FSL)	$5,000,000
State/Local (SL)	$10,000,000
Airport Pavement Preservation (APMS)	$7,000,000
Airport Development Loans	$0
Grand Canyon Airport	$15,000,000
State Planning Services	$1,150,000
Total Airport Capital Improvement Program	$38,150,000

Next Steps

State Transportation Board February 21 Bisbee

Public Hearings

- **March 20 Marana**
- **April 17 Flagstaff**
- **May 15 Phoenix**
- **Study Session June 2 in Phoenix**

Present Final Program to STB; June 19 Payson

Program must be delivered to Governor by June 30th

FY 21 begins July 1st, 2020

Questions?