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
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

Trend

63.5% 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% Good

Interstate Pavement Ratings

2020 Pavement Condition Interstate

International Roughness Index (2017)
National Highway System
State Highway System
Poor
Fair
Good

ARIZONA DEPARTMENT OF TRANSPORTATION
Pavement Condition: Non-NHS

2020 Pavement Condition

Trend

0% 5.2% 73.9% 5.8% 0.7% 0.7% 0.8% 0.5% 0.5% 0.6% 0.5%
0% 0.5% 0.5% 0.6% 0.5% 0.8% 0.7% 7.1% 7.0% 5.8% 5.2%

20.9% Good

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:

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

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*

*Includes MAG & PAG Funding
Greater Arizona
(excludes Maricopa and Pima Counties)

Tentative 5-Year Highway Delivery Program
(FY23-FY27)
FY23 Expansion Construction Projects – $176.3M

$10.3M; Prescott Lakes Parkway – Frontier Village

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

$83M; I-10 Gila River Bridge
## Closing the Gap - $540M

<table>
<thead>
<tr>
<th>Description</th>
<th>State Dedicated Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive (New)</td>
<td>400M</td>
</tr>
<tr>
<td>Gila River Bridge</td>
<td>90M</td>
</tr>
<tr>
<td>FY 2022 Budget</td>
<td>50M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$540M</strong></td>
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</table>

State Dedicated Funding = $540M  
66%

Local and Grants (Federal) = $280M  
34%
FY24 Expansion Construction Projects – $175M

$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

$40M; US 93
Cane Springs

Expansion Projects
Planning Costs
Development Costs
Modernization Projects
Preservation Projects
FY 2026 Expansion Construction Projects - $120M

- $70M; SR-260 Lion Springs
- $50M; I-10 Project 2
FY 2027 Expansion Construction Projects - $60M

$60M; US-93
Big Jim Wash
SIX TO TEN YEAR PROGRAM

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

Years: 2028, 2029, 2030, 2031, 2032

Budgets:
- $1,000,000
- $750,000
- $500,000
- $250,000
- $0
MAG Regional Freeway Program (FY23- FY25)*

<table>
<thead>
<tr>
<th>Item</th>
<th>Location</th>
<th>Work Years</th>
<th>Total Programmed ($ Mil)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>101 (Agua Fria): 75th Ave - I-10</td>
<td>FY 2024</td>
<td>135.1</td>
</tr>
<tr>
<td>2</td>
<td>60 (Grand Ave): 35th Ave/Indian School Rd Intersection</td>
<td>FY 2023-25</td>
<td>184.7</td>
</tr>
<tr>
<td>3</td>
<td>101 (Agua Fria): Northern Ave Ti</td>
<td>FY 2025</td>
<td>10.0</td>
</tr>
<tr>
<td>4</td>
<td>101 (Agua Fria): I-10 System Interchange Improvements</td>
<td>FY 2023-25</td>
<td>221.0</td>
</tr>
<tr>
<td>5</td>
<td>85: Warner Street Bridge</td>
<td>FY 2023</td>
<td>5.3</td>
</tr>
<tr>
<td>6</td>
<td>30 (Tres Rios): SR833L - SR9202L South Mountain,</td>
<td>FY 2023-25</td>
<td>221.9</td>
</tr>
<tr>
<td>7</td>
<td>17: Camelback Rd Ti</td>
<td>FY 2023-25</td>
<td>98.5</td>
</tr>
<tr>
<td>8</td>
<td>17: Indian School Road Ti</td>
<td>FY 2023</td>
<td>48.4</td>
</tr>
<tr>
<td>9</td>
<td>101 (Pima): Princess Dr - Shea Blvd</td>
<td>FY 2023</td>
<td>123.0</td>
</tr>
<tr>
<td>10</td>
<td>10 (Maricopa): Sky Harbor West Airport Access</td>
<td>FY 2023-25</td>
<td>100.0</td>
</tr>
<tr>
<td>11</td>
<td>101 (Pima): Pima Rd Extension (IPA)</td>
<td>FY 2024-25</td>
<td>3.9</td>
</tr>
<tr>
<td>12</td>
<td>10 (Maricopa): SR9202L Santan Riggs Rd</td>
<td>FY 2025</td>
<td>270.6</td>
</tr>
<tr>
<td>13</td>
<td>10 (Maricopa): Riggs Rd - Gila River</td>
<td>FY 2023</td>
<td>16.8</td>
</tr>
<tr>
<td>14</td>
<td>10 (Maricopa): Gila River Indian Community Access Improvements</td>
<td>FY 2023</td>
<td>15.0</td>
</tr>
<tr>
<td>15</td>
<td>10 (Maricopa): Gila River Bridge</td>
<td>FY 2023</td>
<td>83.0</td>
</tr>
</tbody>
</table>

*As approved by MAG Regional Council on 12/1/21; further updates are expected to be approved in June 2022.
2023-2027 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 2023

<table>
<thead>
<tr>
<th>Program</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal/State/Local match (FSL)</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>State/Local (SL)</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>Airport Pavement Preservation (APMS)</td>
<td>$8,000,000</td>
</tr>
<tr>
<td>Airport Development Loans</td>
<td>$0</td>
</tr>
<tr>
<td>Grand Canyon Airport</td>
<td>$4,000,000</td>
</tr>
<tr>
<td>State Planning Services</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Total Airport Capital Improvement Program</td>
<td>$31,000,000</td>
</tr>
</tbody>
</table>
Public Comments on Tentative Program through May 16  
(Comment period is March 18 through June 2)

- **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?