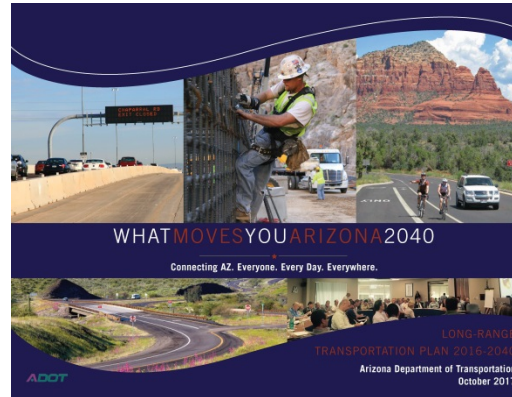


WHAT MOVES YOU ARIZONA 2040

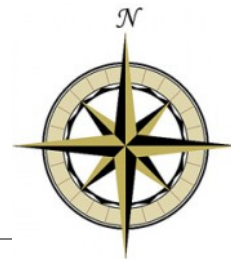
Long-Range Transportation Plan 2016-2040



Presented to State Transportation Board
October 20, 2017

WMYA 2040

Purpose & Themes



- ▶ Provide policy direction to ADOT, MPOs, COGs and Other Partners on transportation performance, needs & priorities
- ▶ Establish a data-driven, performance-based policy framework to guide future project recommendations to the Board
- ▶ Focus on defining a Recommended Investment Choice (RIC) to help ADOT best invest limited resources in the state system
- ▶ Address statutory requirement for 5-Year Plan Update

WMYA 2040

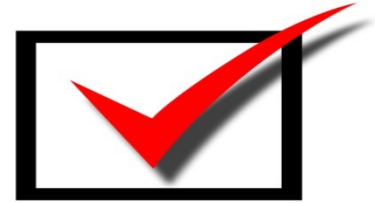
Performance: FHWA Goals



- ▶ ***Safety:*** Reduce fatalities and serious injuries
- ▶ ***Infrastructure Conditions:*** NHS in state of good repair
- ▶ ***Congestion Reduction:*** On NHS, in particular
- ▶ ***System Reliability:*** Surface transportation efficiency
- ▶ ***Freight Movement & Economic Vitality:*** Access to markets
- ▶ ***Environmental Sustainability:*** Protect/enhance environment

WMYA 2040

Citizen & Stakeholder Input



400+
MEETING
ATTENDEES



14,347
WEBSITE
HITS



312,428
FACEBOOK
REACHES



5,958
SURVEY
RESPONDENTS

WMYA 2040

Stakeholder Workshop – Aug 2016



- ▶ **Broad Stakeholder Participation**
- ▶ **Used Decision Lens to gauge performance**
- ▶ **Results influenced Plan recommendation**

WMYA 2040

Citizen Survey Results



- ▶ Preference for System Preservation
- ▶ Expansion focus stronger in large Metro Areas
- ▶ All projects promote Safety

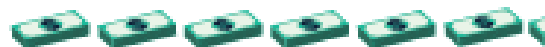
How Stakeholders Think ADOT Should Allocate Funding

PER \$100

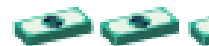
Preservation & Maintenance



Expansion



Safety



Technology



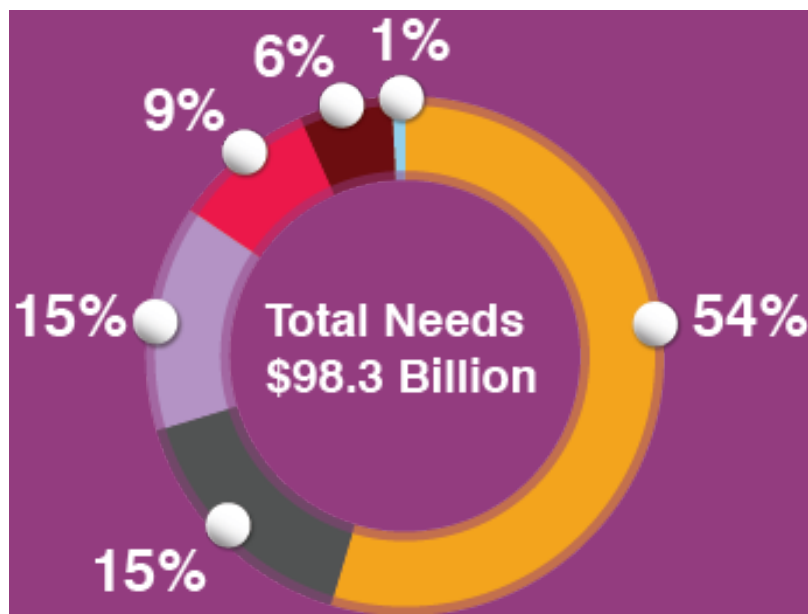
Accessibility



= \$5 \$15 \$25 \$35 \$45

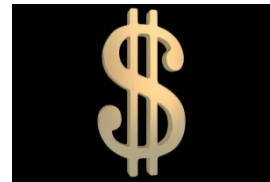
WMYA 2040

Needs – All Modes



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Categories of Highway Need/Investment



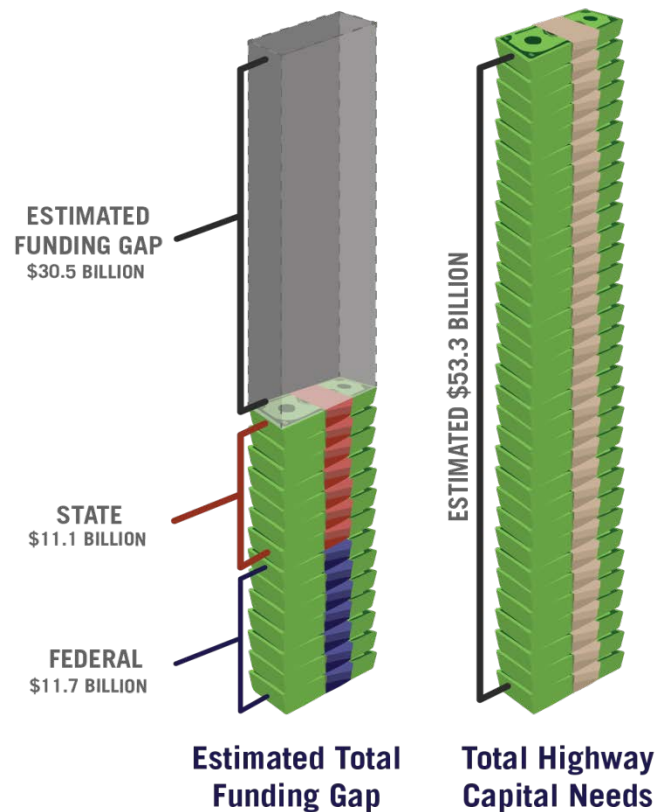
- ▶ ***Preservation:*** Investment to keep pavement smooth and maintain bridges
- ▶ ***Modernization:*** Non-capacity investment that improves safety & operations (e.g. adding shoulders or smart technology)
- ▶ ***Expansion:*** Investment that adds capacity to the highway system (e.g. new roads, added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

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25-Year Highway Needs

- ▶ Preservation = \$9.236 B
- ▶ Modernization = \$9.962 B
- ▶ Expansion = \$34.054 B
- ▶ Total = \$53.3 B

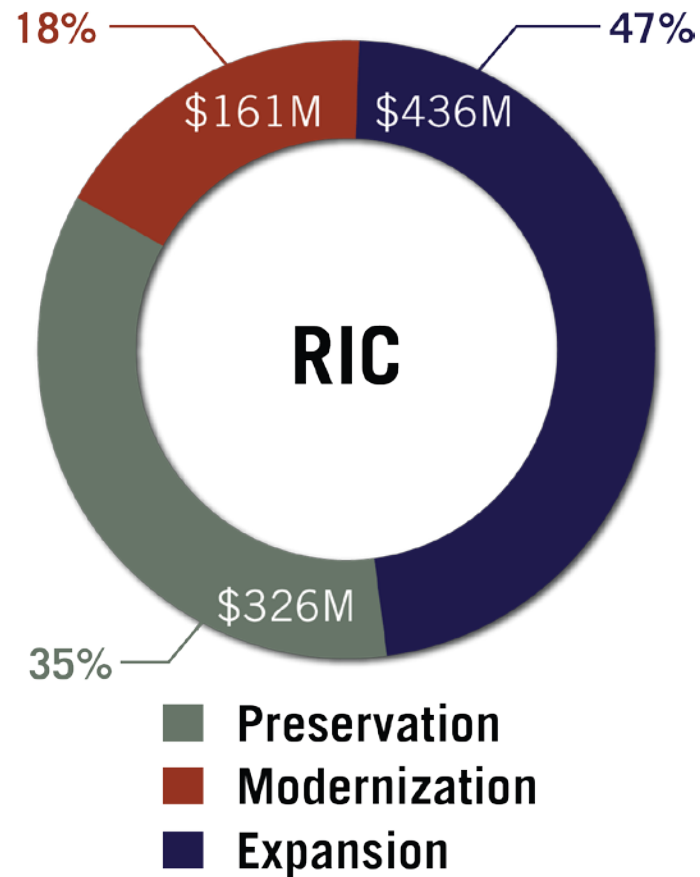
2016-2040 Revenue Forecast



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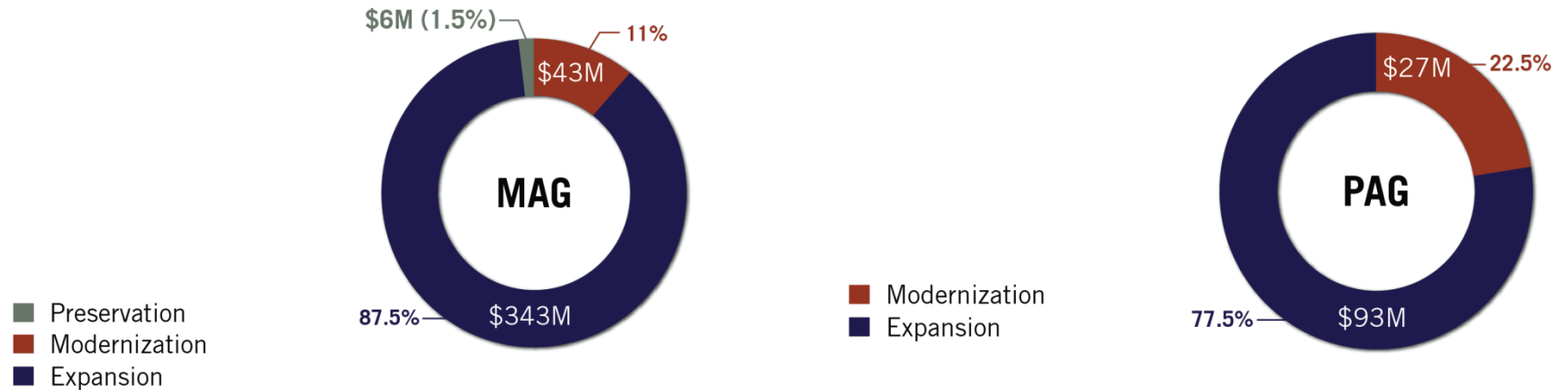
Recommended Investment Choice - Statewide

- ▶ System Preservation Needs Statewide
- ▶ Expansion focus in large Metro Areas
- ▶ Safety remains a priority



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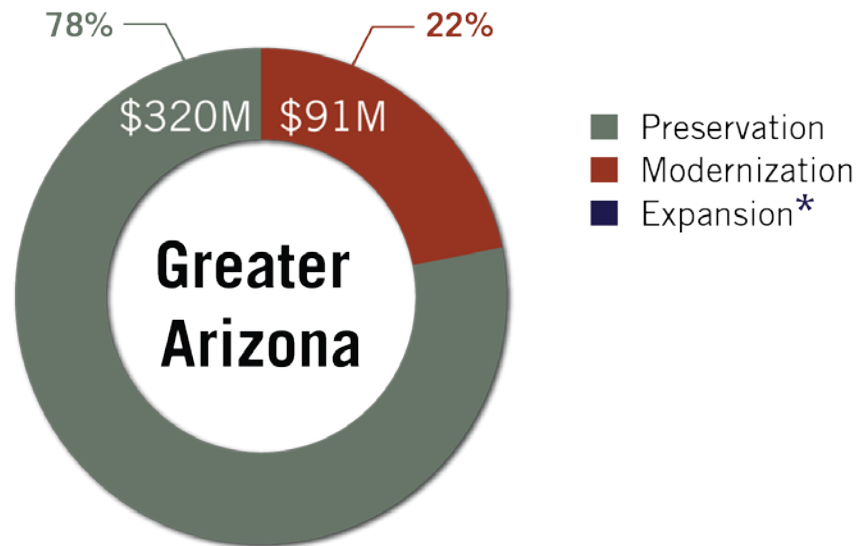
RIC – MAG and PAG – Expansion Focus



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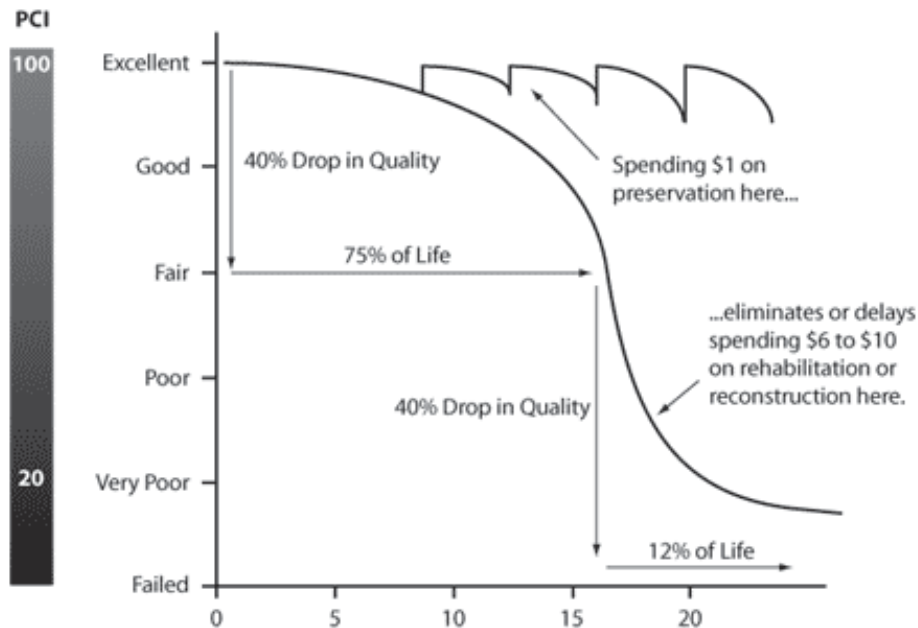
Recommended Investment Choice – Greater Arizona

- ▶ **System Preservation is Priority**
- ▶ **Fund the Highway Safety Improvement Program and Avoid System Obsolescence**
- ▶ *** Up to 5% of funding reserved for Expansion *only* to match federal grants or leverage third party contributions (*or* if Revenues incr.)**



WMYA 2040

Addressing Pavement Preservation



(PCI – Pavement Condition Index)

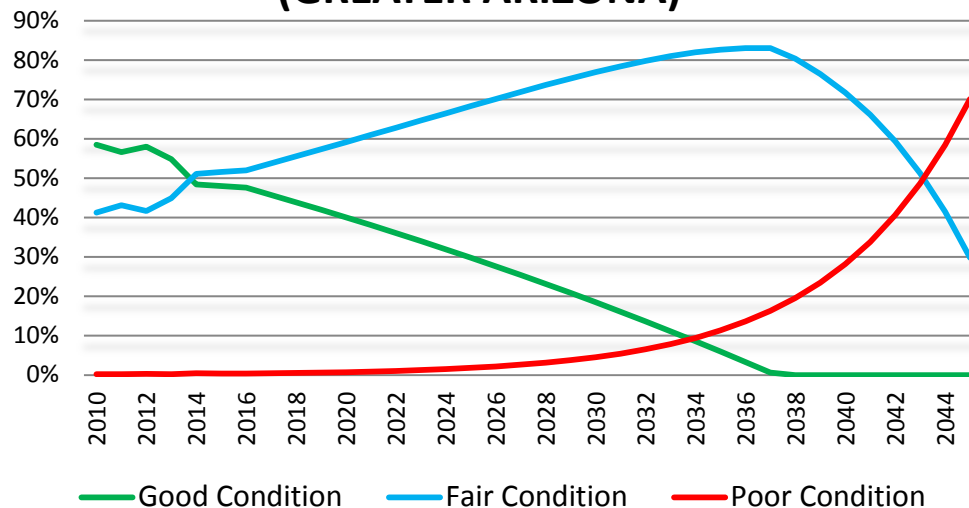
WMYA 2040

Addressing Pavement Preservation



Pavement condition based on current funding levels and percentages of funding spent on pavement maintenance and preservation.

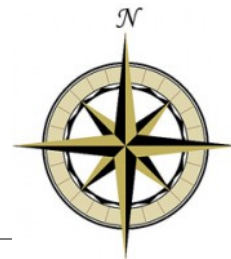
STATEWIDE PAVEMENT CONDITION (GREATER ARIZONA)



Source: ADOT
MPD

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Summary and Recommendation



- ▶ **Greater Arizona:** Focus on Preservation of state highways and bridges, and keep safety a high priority; work with MPOs/COGs
- ▶ **MAG and PAG:** Respect their federal designation as leads for metro area planning; preserve state highways as appropriate
- ▶ **Projects:** Use this Plan framework to guide ADOT project recommendations to the Board thru Five-Year Program process
- ▶ **Request Action:** Adopt Tentative Plan for 45-day public review