

# Arterial Life Cycle Program Project Change Request

## Transportation Review Committee – January 29, 2015



John Bullen  
Transportation Planner II

# ALCP Overview

- The ALCP serves as the financial management tool for the arterial component of the RTP
- The program contains 201 projects across 13 jurisdictions
- The program is guided by the ALCP Policies and Procedures





# Committee Role

- The ALCP Policies and Procedures require that all requests to change original ALCP project scope or a substitute a project in the ALCP must meet be presented to the MAG Street Committee for a technical review and recommendation.
  - On January 13, 2015 the MAG Street Committee recommended approval of the proposed change.
  - The MAG Street Committee also recommended that the change be presented to the Transportation Review Committee.

# Technical Review

- Additional information and relevant policies can be found in the agenda
- The City of Phoenix will present specifics on their project change request

# BLACK MOUNTAIN BOULEVARD SR51 INTERCHANGE TO PINNACLE PEAK RD

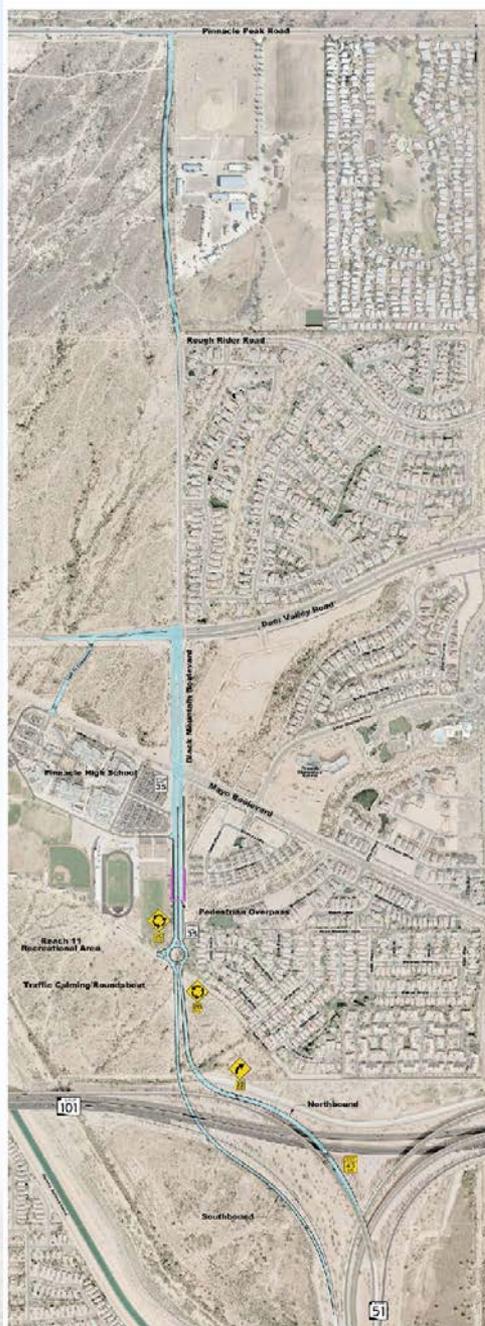
Presentation to the MAG  
Transportation Review Committee  
Project Change Request



January 29, 2015

# GOALS FOR TODAY

- History
- Purpose and need (Why the Project)
- Stakeholder partnering
- Public involvement process
- Scope progression
- Additional project features
- Level of service comparison
- Project Budget Breakdown
- Final recommendation



**BLACK MOUNTAIN BOULEVARD**  
SR51/Loop 101 Interchange to Pinnacle Peak Road

**IMPROVING COMMUNITY ACCESS**

# PROJECT HISTORY

## Black Mountain Blvd (BMB)

- A north/south arterial integral to the area's planning efforts since 1990 under the Desert Ridge Specific Plan (recognized 3.5 mile gap)
- Black Mountain Boulevard (BMB) has been on the City's Street Classification Map since 1994
- The project was approved by the voters through Proposition 400 in late 2004

# PURPOSE AND NEED (WHY THE PROJECT)

- Accommodate projected population and employment growth
- Improve community street network
- Provide direct access to SR 51
- Reduce congestion

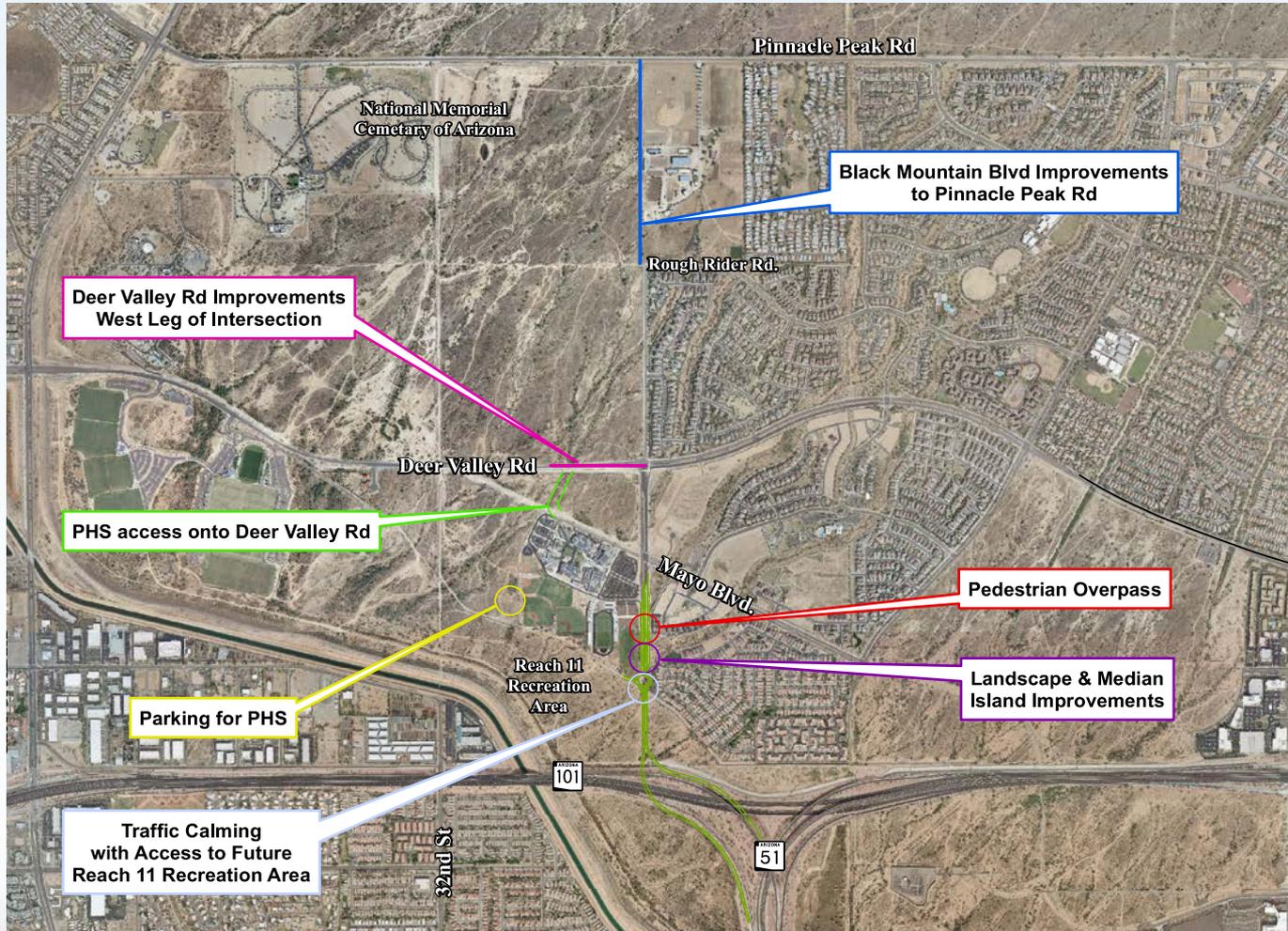
# STAKEHOLDER PARTNERING

- ADOT
- FHWA
- MAG
- Arizona State Land Department
- Bureau of Reclamation/Central Arizona Project
- City of Phoenix Parks and Recreation (Reach 11)
- 5 HOA/Community Associations
- Pinnacle High School

# PUBLIC INVOLVEMENT PROCESS

- 4 - stakeholder meetings
- 9 - HOA and community meetings
- 2 - Desert View Village Planning Committee meetings
- 8- public meetings between 2011-2014
- Comments submitted through website
  - Received 182 comments
- 500+ participants in project database

# PROJECT SCOPE ADDITIONAL FEATURES

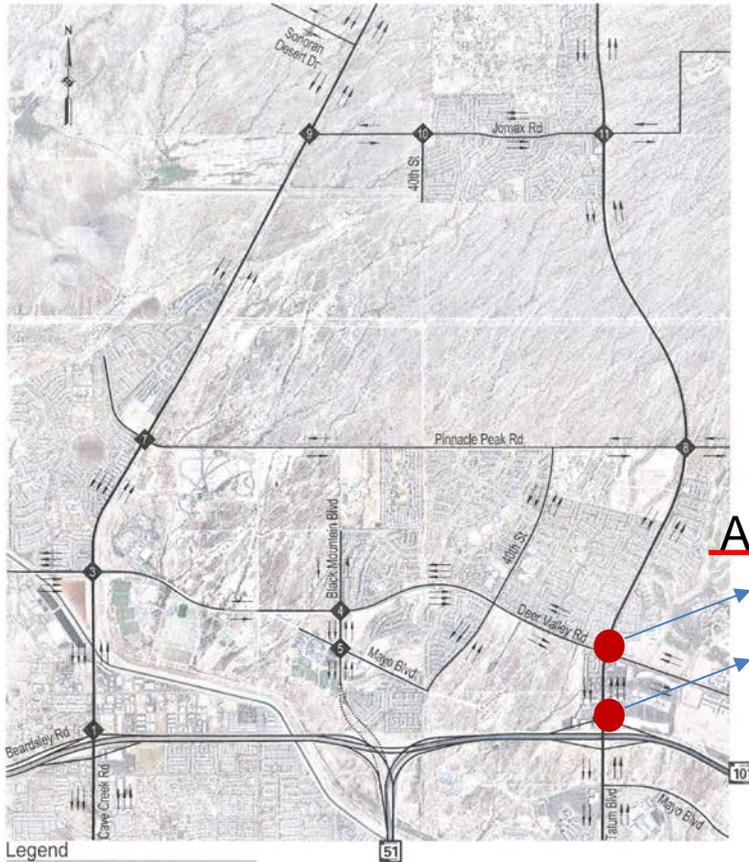


# FINAL PROJECT SCOPE

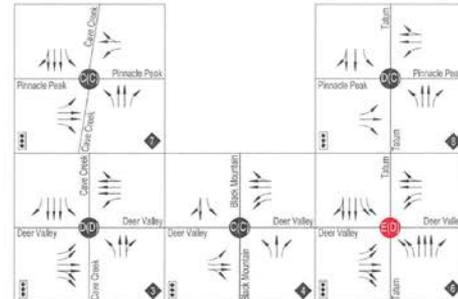
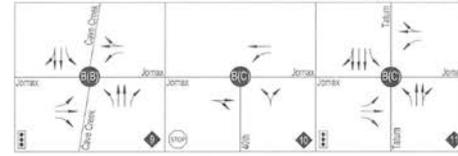
- North/South Access Ramps from SR-51
- New arterial roadway
- 34<sup>th</sup> Street Connector to Deer Valley Rd
- Pedestrian bridge and median fence
- Enhanced landscaping
- Roundabout south of Mayo Blvd
- Extension of BMB - Rough Rider Rd to Pinnacle Peak Rd

*With consensus by FHWA and ADOT*

# LEVEL OF SERVICE (LOS) COMPARISON - WITHOUT EXTENSION



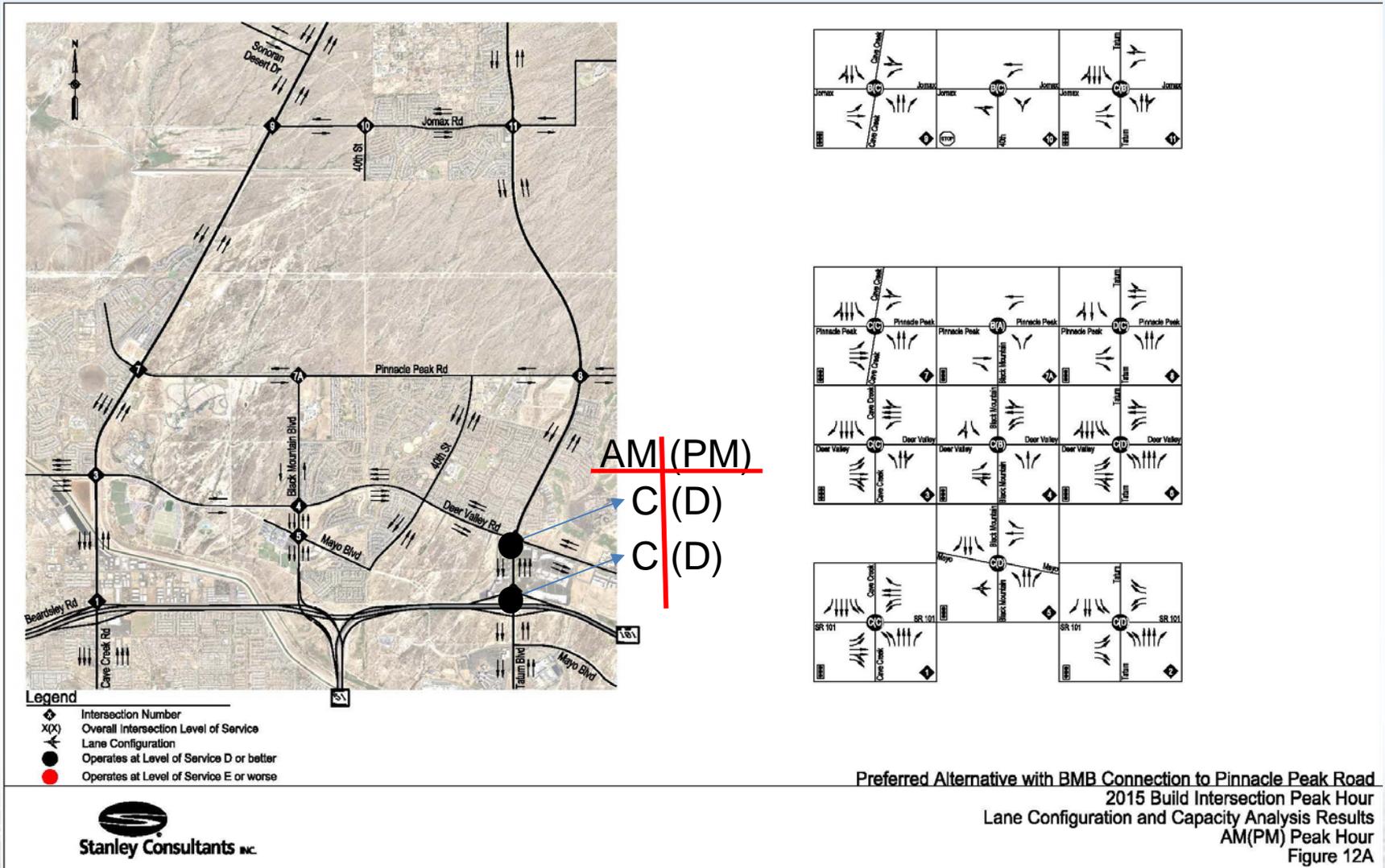
~~AM (PM)~~  
 E (D)  
 C (E)



2015 Build Intersection Peak Hour Lane Configuration and Capacity Analysis Results  
 AM(PM) Peak Hour  
 Figure 12



# LEVEL OF SERVICE (LOS) COMPARISON – WITH EXTENSION



# WHY EXPANSION TO PINNACLE PEAK ROAD

- Public and stakeholder input and support
- Supports continued growth, expansion and planning efforts
- Improved level of service
- Improved travel times
- Improved overall circulation

# PROJECT BUDGET BREAKDOWN

	Existing Limits	Expanded Limits	Total
Design	\$4,770,271	\$492,625	\$5,262,896
ROW	\$1,457,500	\$488,400	\$1,945,900
Construction	\$27,553,698	\$2,458,912	\$30,012,610
Total	\$34,009,551	\$3,439,937	\$37,449,489
ALCP Share (60.5%)	\$20,121,816	\$2,407,956	\$22,529,772
RHFP (8.6%)	\$3,200,076	\$0.00	\$3,200,076
City Share (30.9%)	\$10,466,000	\$1,031,981	\$11,498,558

Funding through voter-approved Proposition 400

# WHERE WE ARE TODAY

- GMP 1 fully authorized
- GMP 1 nearing completion February 2015
- Final design GMP2
- Negotiations with CMAR ongoing
- GMP 2 scheduled for Construction May 2015

# RECOMMENDATION

- TRC approve scope expansion of BMB to Pinnacle Peak Road