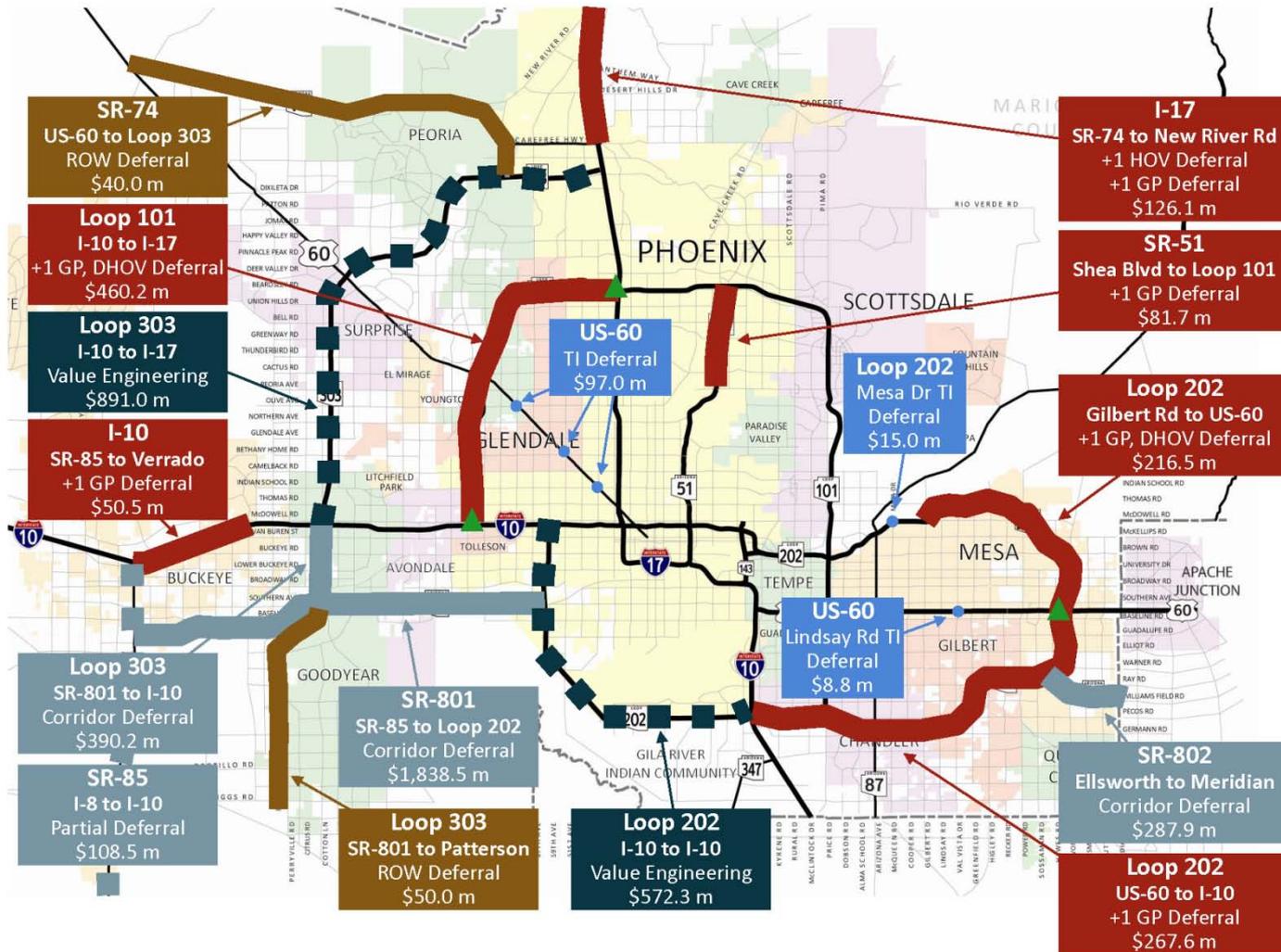




REGIONAL FREEWAY AND HIGHWAY LIFE CYCLE PROGRAM UPDATE

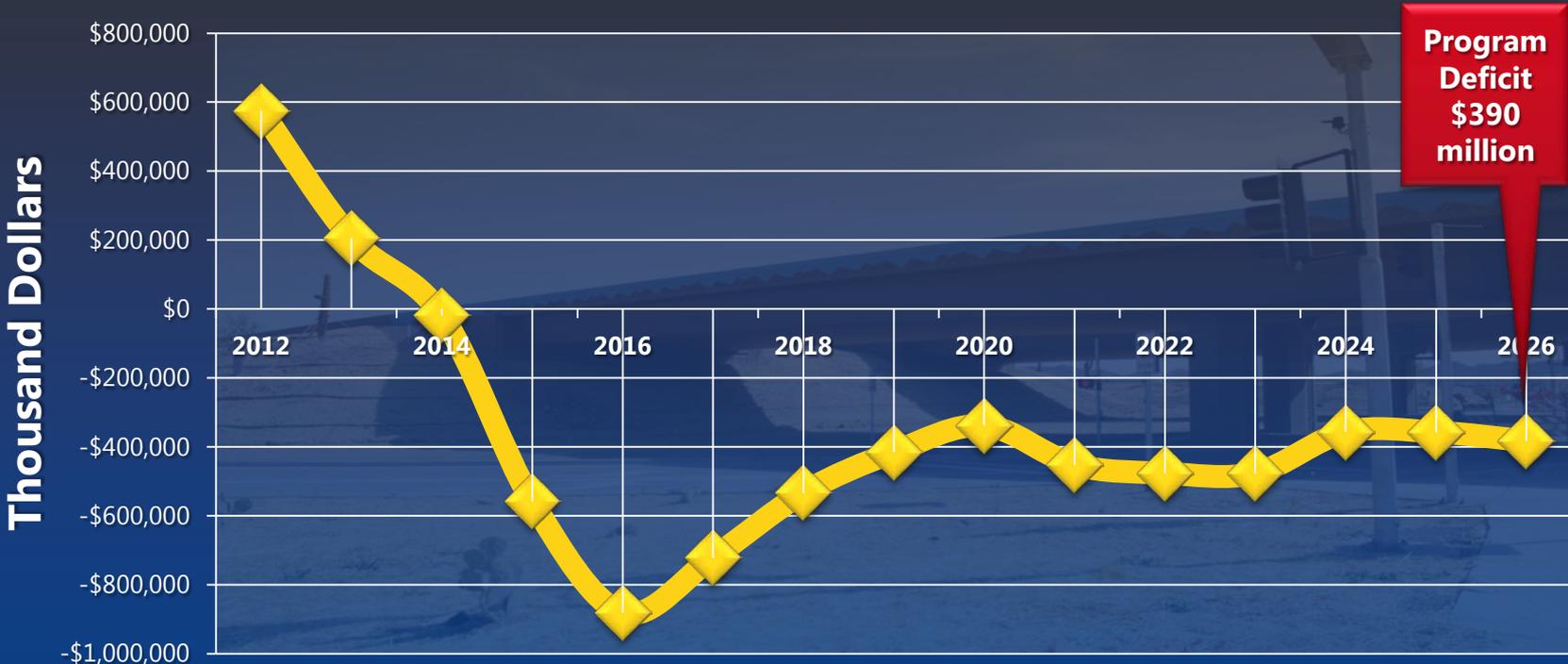
Transportation Policy Committee
April 18, 2012

2009 Freeway Program Balancing



**\$6.6 billion
reduction**

Projected Program Cash Flow



2012 Balancing Background

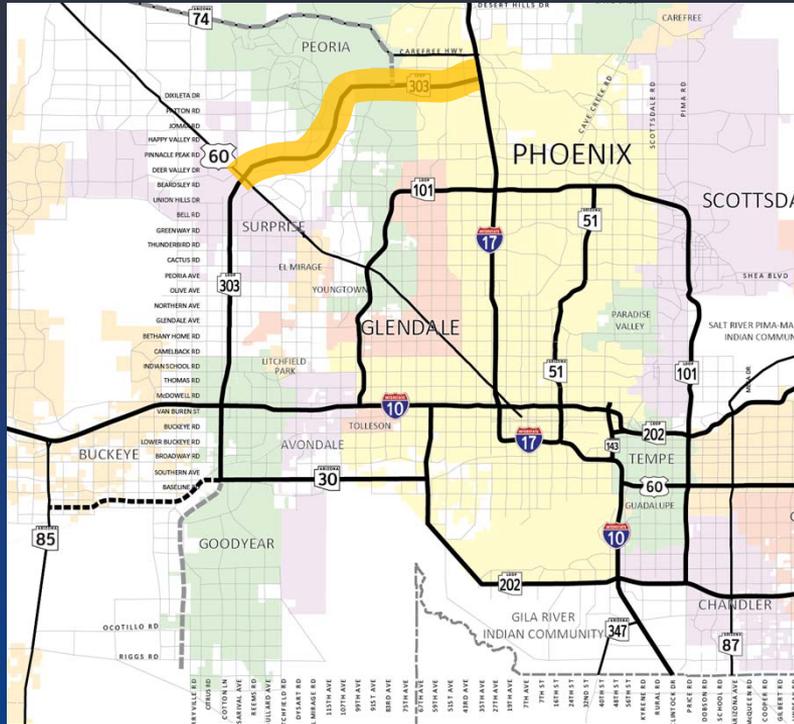
- **Look at cash-flow, costs, and time-lines for major program items.**
- Twelve scenarios considered – four advanced as best case for balancing and meeting cash-flow projections.
- Programs on US-60/Grand Ave and HOV lanes on SR-202L/Santan Fwy unaffected.
- **\$9.6 billion program in total, \$3.5 billion obligated through December 2011.**



Major Items Summary

Corridor	Scenario 8	Scenario 10a	Scenario 10b	Scenario 12
Interstate 17/Black Canyon <i>Add Lanes, Interstate 10 Split to SR-101L</i>	2022-2026	Reduce by \$300m 2022-2026	Reduce by \$300m 2022-2026	Reduce by \$300m 2022-2026
Loop 303 <i>Add Lanes, US-60/Grand to Interstate 17</i>	2021-2025	Reduce by \$80m 2021-2024	X	Reduce by \$80m 2021-2024
Loop 303 <i>New Freeway, MC-85 to Interstate 10</i>	X	X	2021-2024	X
Interstate 10/Maricopa <i>Local/Express, 32nd St to SR-202L</i>	2021-2026	2021-2026	2021-2026	2015-2023
Loop 101/Pima <i>Add Lanes, Interstate 17 to SR-202L/Red Mtn</i>	X	2014-2026	2014-2026	2014-2026
Loop 101/Price <i>Add Lanes, US-60 to SR-202L/Santan</i>	X	2023-2025	2023-2025	2023-2025
Loop 202/Red Mountain <i>Add Lanes, SR-101L to Gilbert Rd</i>	X	2019-2021	2019-2021	2019-2021
Loop 202/South Mountain <i>New Freeway, I-10/Maricopa to I-10/Papago</i>	2015-2021	2015-2021	2015-2021	2017-2026
SR-24/Gateway <i>New Freeway, SR-202L to Ellsworth Rd</i>	\$66.5 million savings	\$66.5 million savings	\$66.5 million savings	\$66.5 million savings

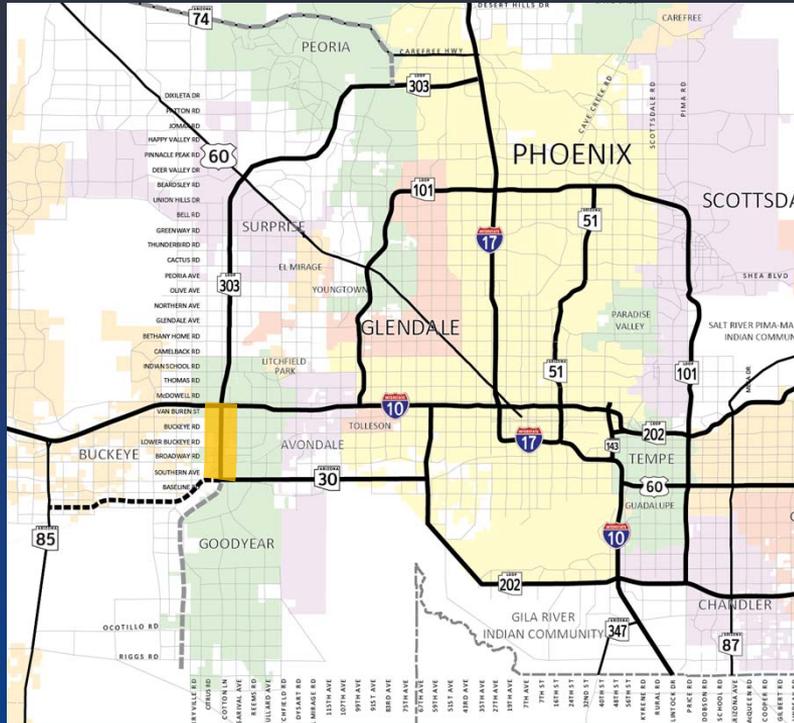
Loop 303



- US-60/Grand Ave to Interstate 17
- Add Lanes, finish system interchange with Interstate 17
- **\$414.6 million Program Balance**

Scenario	Timing
8	Construct 2021-2025
10a	Reduce Budget by \$80 million Construct 2021-2024
10b	No action
12	Reduce Budget by \$80 million Construct 2021-2025

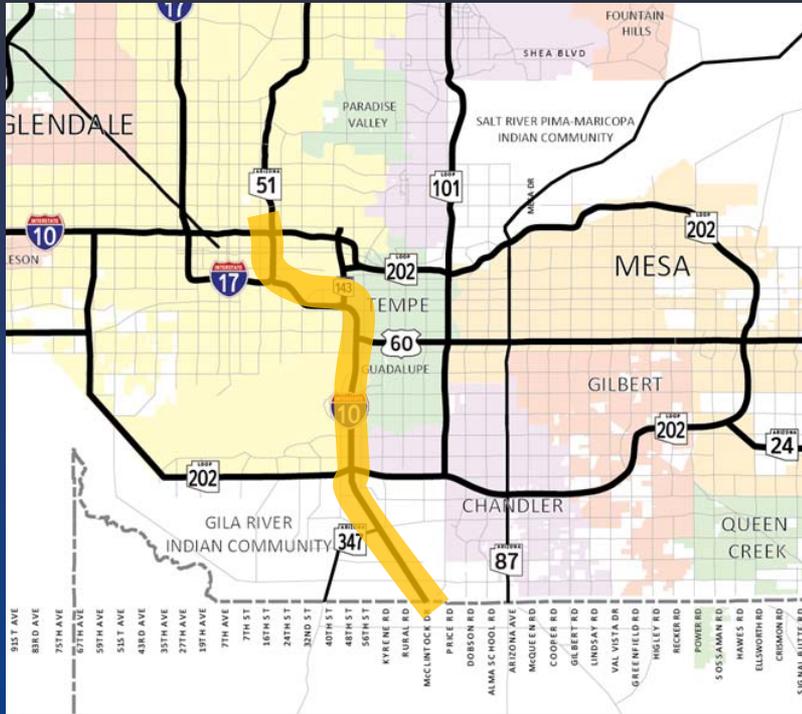
Loop 303



- MC-85 to Interstate 10
- New Freeway; finish system interchange with Interstate 10/Papago
- **Deferred to Phase V in 2009**

Scenario	Timing
8	No action
10a	No action
10b	Construct 2021-2024
12	No action

Interstate 10/Maricopa Freeway



- 32nd St to Baseline Rd
- Construct Local-Express Lanes
- **\$596.9 million Program Balance**
- \$73.7 million for SR-202L to Riggs Rd

Scenario	Timing
8	Construct 2021-2026
10a	Construct 2021-2026
10b	Construct 2021-2026
12	Construct 2015-2023

Interstate 10/Maricopa Freeway

I-10 Corridor Study EIS

SR-51/Loop 202 to Interstate 17 Split
4-5 general purpose lanes
1 HOV Lane

Interstate 17 Split to US-60
4 'Local' gen purpose lanes
5 'Express' gen purpose lanes
2 'Express' HOV lanes

US-60 to Loop 202 Pecos Stack
4 general purpose lanes
1 HOV lane

Southeast Corridor MIS

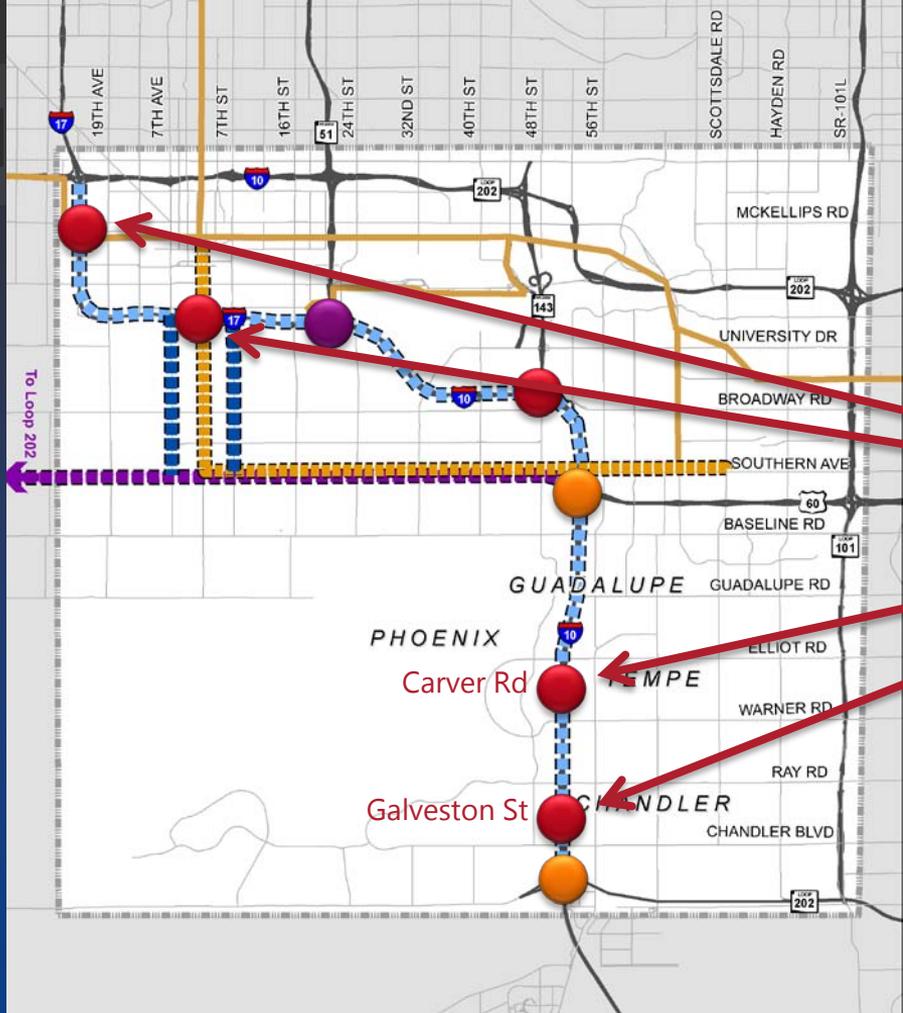
SR-51/Loop 202 to Interstate 17 Split
3-4 general purpose lanes
1 HOV lane

Interstate 17 Split to US-60
5 general purpose lanes
3 'Express' HOV/HOT lanes

US-60 to Loop 202 Pecos Stack
4 general purpose lanes
2 'Express' HOV/HOT lanes

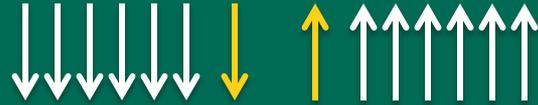
- Added "premium" DHOV ramps
- Alternate service interchange geometries
- Connect to an I-17 HOV/HOT lanes option

DHOV (Direct HOV) Ramps



Performance Statistics

Interstate 10 – Salt River Bridge Outbound Traffic, Evening Peak



I-10 Corridor Study EIS

58.3 mph

30.4 mph

3,200 vehicles

36,800 vehicles



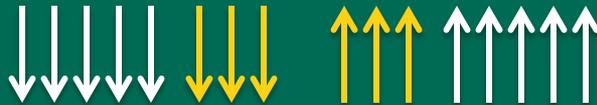
SE Corridor MIS – Express Lanes

63.8 mph

39.0 mph

9,500 vehicles

32,600 vehicles



SE Corridor MIS – Express Lanes, No Toll

64.3 mph

35.6 mph

8,600 vehicles

34,000 vehicles

Performance Statistics

Interstate 10 – Before US-60/Superstition Freeway Outbound Traffic, Evening Peak



I-10 Corridor Study EIS

58.1 mph

3,200 vehicles

46.9 mph

27,400 vehicles

18.7 mph

16,100 vehicles



SE Corridor MIS – Express Lanes

62.3 mph

11,100 vehicles

43.9 mph

28,500 vehicles

30.8 mph

13,300 vehicles



SE Corridor MIS – Express Lanes, No Toll

64.2 mph

8,700 vehicles

33.7 mph

32,200 vehicles

33.1 mph

13,000 vehicles

Performance Statistics

Interstate 10 - South of Baseline Rd Outbound Traffic, Evening Peak



I-10 Corridor Study EIS

67.1 mph

25.2 mph

1,500 vehicles

30,400 vehicles



SE Corridor MIS – Express Lanes

47.3 mph

40.8 mph

7,100 vehicles

29,400 vehicles



SE Corridor MIS – Express Lanes, No Toll

32.3 mph

37.6 mph

6,700 vehicles

30,900 vehicles

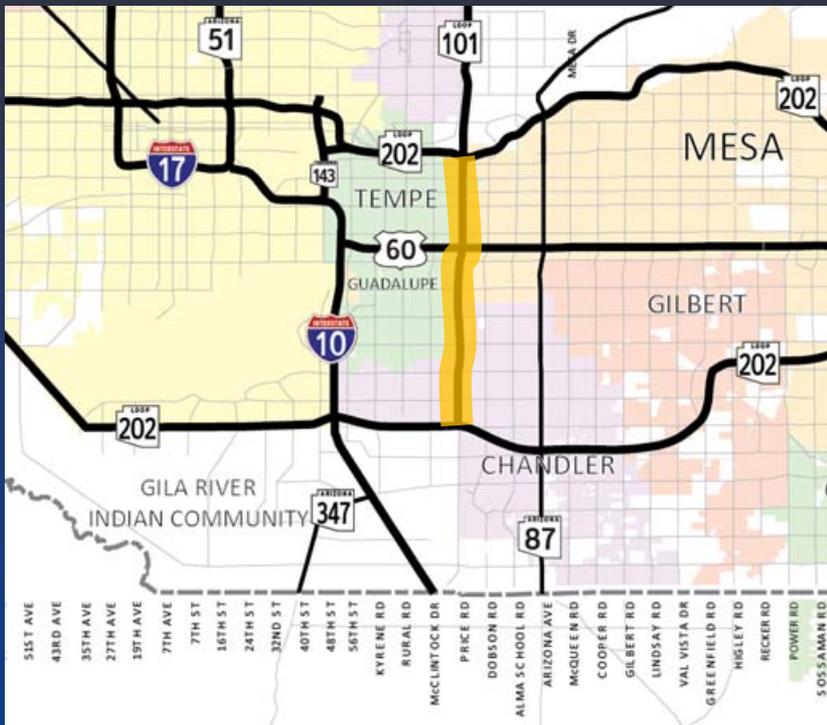
Loop 101/Pima Freeway



- Interstate 17 to SR-202L/Red Mountain
- Add general purpose lanes
- **\$305.2 million Program Balance**
 - I-17 to SR-51 (\$73.5 m)
 - SR-51 to Pima-Princess (\$77.9 m)
 - Pima-Princess to Shea (\$56.4 m)
 - Shea to SR-202L (\$97.4 m)

Scenario	Timing
8	No Action
10a	Construct 2014-2026
10b	Construct 2014-2026
12	Construct 2014-2026

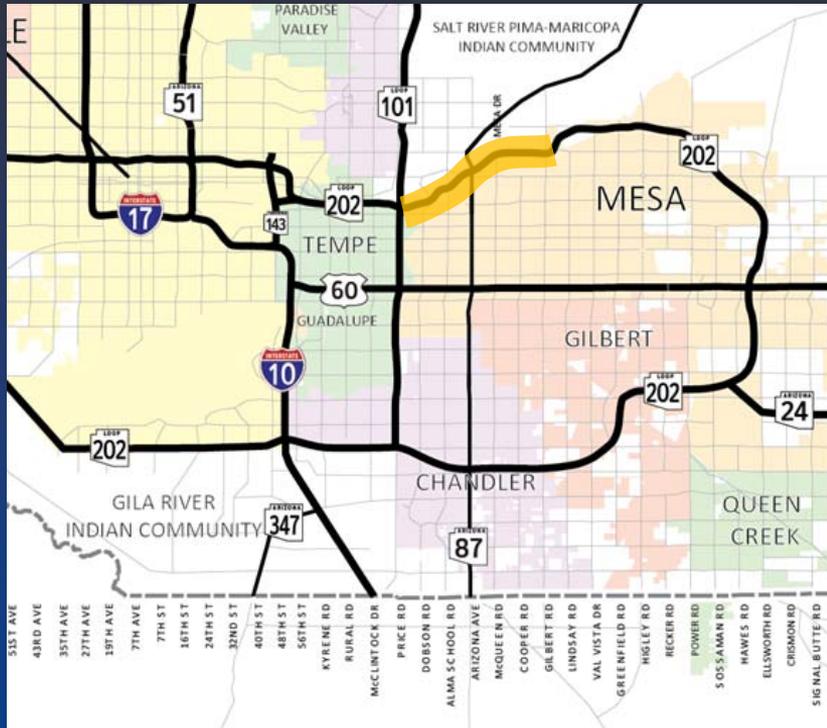
Loop 101/Price Freeway



- US-60/Superstition Fwy to SR-202L/Santan Fwy
- Add general purpose lanes
- **\$53.4 million Program Balance**

Scenario	Timing
8	No Action
10a	Construct 2023-2025
10b	Construct 2023-2025
12	Construct 2023-2025

Loop 202/Red Mountain Freeway



- SR-101L/Pima-Price Fwys to Gilbert Rd
- Add general purpose lanes
- **\$60.3 million Program Balance**

Scenario	Timing
8	No Action
10a	Construct 2019-2021
10b	Construct 2019-2021
12	Construct 2015-2017

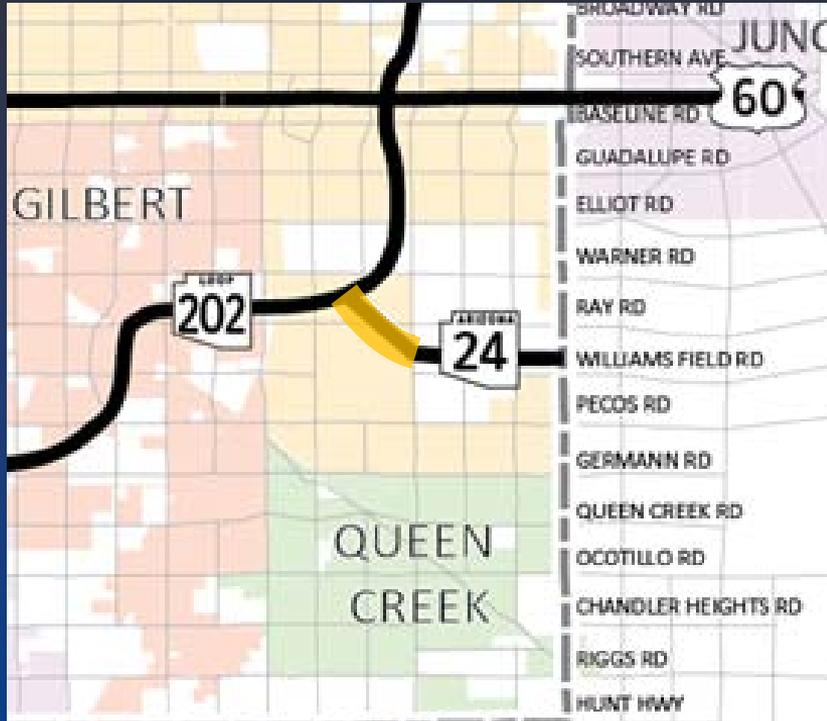
Loop 202/South Mountain Freeway



- Interstate 10/Maricopa Fwy to Interstate 10/Papago Fwy
- New Freeway, 8-lanes (3+1 cross-section), and new system interchange at 59th Ave
- **\$1,881.5 million Program Balance**
- EIS/ROD completed in 2013

Scenario	Timing
8	Construct 2015-2021
10a	Construct 2015-2021
10b	Construct 2015-2021
12	Construct 2017-2026

SR-24/Gateway Freeway



- SR-202L/Santan Fwy to Ellsworth Rd
- Phase I, new system interchange with SR-202L
- New Freeway
- **\$81.7 million Program**
(reduced due to bid savings)

Scenario	Timing
8	\$66.5 million savings
10a	\$66.5 million savings
10b	\$66.5 million savings
12	\$66.5 million savings

Major Items Summary

Corridor	Scenario 8	Scenario 10a	Scenario 10b	Scenario 12
Interstate 17/Black Canyon <i>Add Lanes, Interstate 10 Split to SR-101L</i>	2022-2026	Reduce by \$300m 2022-2026	Reduce by \$300m 2022-2026	Reduce by \$300m 2022-2026
Loop 303 <i>Add Lanes, US-60/Grand to Interstate 17</i>	2021-2025	Reduce by \$80m 2021-2024	X	Reduce by \$80m 2021-2024
Loop 303 <i>New Freeway, MC-85 to Interstate 10</i>	X	X	2021-2024	X
Interstate 10/Maricopa <i>Local/Express, 32nd St to SR-202L</i>	2021-2026	2021-2026	2021-2026	2015-2023
Loop 101/Pima <i>Add Lanes, Interstate 17 to SR-202L/Red Mtn</i>	X	2014-2026	2014-2026	2014-2026
Loop 101/Price <i>Add Lanes, US-60 to SR-202L/Santan</i>	X	2023-2025	2023-2025	2023-2025
Loop 202/Red Mountain <i>Add Lanes, SR-101L to Gilbert Rd</i>	X	2019-2021	2019-2021	2019-2021
Loop 202/South Mountain <i>New Freeway, I-10/Maricopa to I-10/Papago</i>	2015-2021	2015-2021	2015-2021	2017-2026
SR-24/Gateway <i>New Freeway, SR-202L to Ellsworth Rd</i>	\$66.5 million savings	\$66.5 million savings	\$66.5 million savings	\$66.5 million savings



REGIONAL FREEWAY AND HIGHWAY LIFE CYCLE PROGRAM UPDATE

Bob Hazlett, P.E.
Sr Engineering Manager
bhazlett@azmag.gov
602 254-6300