

Transportation Policy Committee  
June 17, 2009

## Regional Freeway and Highway Program Transportation Planning Update Proposition 400



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## Regional Freeway and Highway Program Financials

<b>Regional Freeway and Highway Program Prop 400 Budget</b>	<b>\$9,421.2 million</b>
2009 ADOT Cost Opinion for the Program	\$15,952.4 million
Projects Obligated thru FY2010	\$2,716.1 million
ADOT Cost Opinion for completing the Program	\$13,236.3 million
<b>Available Funding for balance of Regional Freeway Program</b>	<b>\$6,610.0 million</b>
<b>Program Deficit</b>	<b>\$6,626.3 million</b>



Looking west at I-10/Maricopa from the 40th St Overcrossing



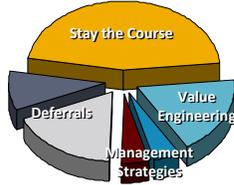
Transportation Planning Update

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# Tentative Scenario

## FOR BRIDGING THE GAP



Looking east at SR-101L/Agua Fria from the 67th Ave Overcrossing

- **Management Strategies**
  - Construction
  - Right-of-Way
  - System-wide Costs
- **Value Engineering**
  - Redefine Cross Sections
  - Alternate Alignments
  - System Traffic Interchanges
- **Deferrals**
  - Priorities consistent with RTP
  - HOV Construction
- **Stay the Course**
  - Maintain core enhancements



# Anticipated Savings

## Regional Freeway and Highway Program

**DRAFT**  
Program still  
under study.



<b>Current ADOT Cost Opinion</b>	<b>\$15,952.4 million</b>
Value Engineering/Planning Recommendations	-\$1,615.1 million
Project Deferrals	-\$4,007.6 million
Lower ROW Contingency and Construction Costs	-\$502.7 million
Reduce System-wide costs	-\$428.8 million
<b>NEW COST OPINION</b>	<b>\$9,398.2 million</b>
<b>NET SAVINGS</b>	<b>\$6,554.2 million</b>



Underneath the I-10/I-17 "Stack" interchange



# Corridor Summary

## TENTATIVE SCENARIO

**DRAFT**  
Program still  
under study.

### Fiscal Year Phasing:

I	FY2006-FY2010
II	FY2011-FY2015
III	FY2016-FY2020
IV	FY2021-FY2026
V	FY2027-FY2030



Looking north at SR-51/Plewestawa Fwy from the Cactus Rd Overcrossing



# Interstate 10/Papago Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-85 to SR-303L	+1 GP	SR-85 to Verrado	V
	+1 GP	Sarival to Verrado ARRA Project/2011	IV
SR-303L to Dysart Rd	+ 2 GP + 1 HOV	Underway Fall 2010	II
	TI	Perryville Rd	II
Dysart Rd to SR-101L	+ 1 GP +1 HOV	Underway Fall 2010	II
	TI	El Mirage Rd	IV
SR-101L to Interstate 17	+ 1 GP	Repackage to match estimate	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$331.7 million	\$753.7 million	\$330.5 million	\$227.9 million	\$102.6 million



# Interstate 10/Maricopa Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-51 to 40th St	Local-Express Lanes		V
	TI	West Sky Harbor Access	II
40th St to Baseline Rd	Local-Express Lanes		I
Baseline Rd to SR-202L	+1 GP		II
SR-202L to Riggs Rd	+1 GP +1 HOV		II
	TI	Chandler Heights Rd	IV

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$612.8 million	\$823.5 million	\$763.4 million	\$26.4 million	\$737.1 million



# Interstate 17/Black Canyon Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
I-10 Split to I-10 Stack	+1 HOV	Repackage to Add +1 GP, +1 HOV	III
I-10 Stack to Arizona Canal	+2 GP	Repackage for Add +1 GP	III
Arizona Canal to SR-101L	+1 GP		II
SR-101L to SR-74	+2 GP +1 HOV	Underway Summer 2010	I
SR-74 to Anthem Way	+1 GP	ARRA Project 2011	IV
	+1 HOV	Urban profile construction	V
Anthem Way to New River Rd	+1 GP		V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$1,443.0 million	\$1,716.2 million	\$1,532.8 million	\$424.8 million	\$1,108.0 million



# US-60/Grand Avenue

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-303L to SR-101L	+ 1 GP	Underway 2011	I
	TI	Up to two locations	II
SR-101L to Van Buren St	+ 1 GP	83rd Ave to 99th Ave	I
	Spot Improvements	Locations TBD	II
	TI	Up to three locations	V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$250.0 million	\$283.5 million	\$186.5 million	\$123.2 million	\$63.2 million



# US-60/Superstition Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



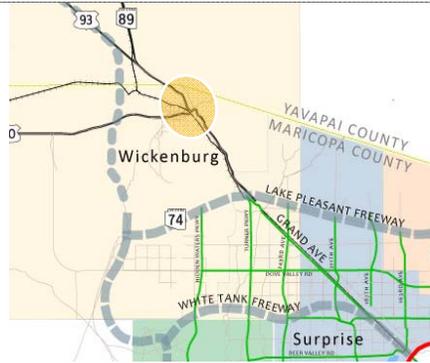
Projects			
SEGMENT	ACTION	COMMENTS	PHASE
I-10 to SR-101L	+1 GP	Underway Fall 2010	I
SR-101L to Val Vista Dr	TI	Lindsay Rd	V
Val Vista Dr to Power Rd	+ 2 GP	Open to Traffic	I
	+ 1 HOV		
Power Rd to Crismon Rd	+ 1 HOV	Open to Traffic	I
Crismon Rd to Meridian Rd	+ 1 GP	Meridian Rd	III
	+ 1 HOV		II

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$134.2 million	\$168.8 million	\$156.1 million	\$121.0 million	\$35.1 million



# U.S. Highway 93

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
US-60 to Yavapai County	Interim Bypass	Underway Spring 2010	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$24.0 million	\$31.6 million	\$31.6 million	\$31.6 million	\$ -

# SR-51/Piestawa Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Shea Blvd to SR-101L	+1 GP		V
	+1 HOV	Open to Traffic	I
	DHOV	To/From SR-101L East; Open to Traffic	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$103.0 million	\$133.0 million	\$51.3 million	\$51.3 million	\$ -

# Loop 101/Agua Fria Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Interstate 10 to US-60	+ 1 HOV		III
	+ 1 GP		V
	DHOV	To/From I-10 East	V
US-60 to Interstate 17	TI	Beardsley Rd-Union Hills Connector	II
	+ 1 HOV		IV
	+ 1 GP		V
	DHOV	To/From I-17 South	V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$470.8 million	\$637.3 million	\$165.3 million	\$59.4 million	\$105.9 million



# Loop 101/Pima Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



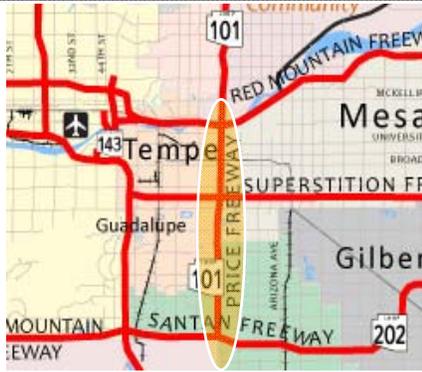
Projects			
SEGMENT	CONCEPT	COMMENTS	PHASE
Interstate 17 to SR-51	+1 HOV		II
	+1 GP		IV
SR-51 to Princess Dr	+1 HOV	Open to Traffic	II
	+1 GP		IV
Princess Dr to Shea Blvd	+1 HOV	Open to Traffic	I
	+1 GP		II
Shea Blvd to SR-202L	+1 HOV	Open to Traffic	I
	+1 GP		II

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$403.6 million	\$491.6 million	\$453.6 million	\$123.9 million	\$329.8 million



# Loop 101/Price Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-202L/Red Mountain to Baseline Rd	+1 HOV		I
Baseline Rd to SR-202L/ Santan	+1 HOV		I
	+ 1 GP		IV

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$104.0 million	\$102.2 million	\$96.4 million	\$44.1 million	\$52.3 million



# SR-143/Hohokam Expressway

- Action underway
- Deferral Recommendation
- Repackage Project



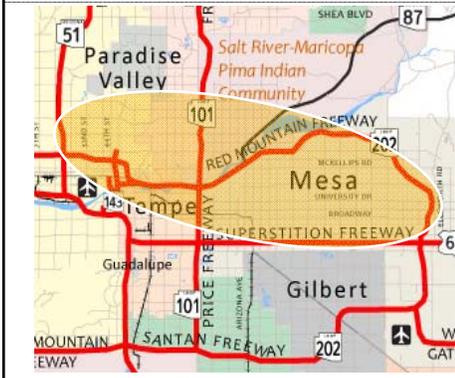
Projects			
SEGMENT	ACTION	COMMENTS	PHASE
McDowell Rd to Interstate 10	TI	Reconstruct Sky Harbor Blvd/SR-2025 Ramps to complete access	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$ -	\$36.6 million	\$36.6 million	\$36.6 million	\$ -



# Loop 202/Red Mountain Fwy

- Action underway
- Deferral Recommendation
- Repackage Project

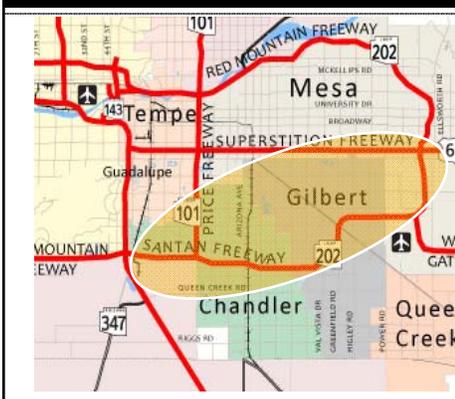


Projects			
SEGMENT	CONCEPT	COMMENTS	PHASE
I-10/SR-51 to Rural Rd	+1 GP Eastbound	Underway Spring 2011	I
	+1 GP		II
SR-101L to Gilbert Rd	+1 HOV	Underway Spring 2011	I
	+1 GP		II
Gilbert Rd to Higley Rd	TI	Mesa Dr	✓
	+1 HOV		III
Higley Rd to US-60	+1 GP		✓
	+ 1 HOV		
	DHOV	To/From US-60 West	✓

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$419.6 million	\$642.2 million	\$395.1 million	\$254.4 million	\$140.7 million

# Loop 202/Santan Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Interstate 10 to Dobson Rd	+1 HOV		II
	DHOV	To/From I-10 North	II
	DHOV	To/From SR-101L North	III
	+1 GP		✓
Dobson Rd to Val Vista Rd	+1 HOV		II
	+1 GP		✓
Val Vista Rd to US-60	+1 HOV		IV
	+1 GP		✓

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$357.4 million	\$437.3 million	\$152.8 million	\$1.1 million	\$151.7 million

# Loop 202/South Mountain Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Interstate 10/Papago to Interstate 10/SR-202L Santan	+3 GP – new freeway	Move forward with freeway plans to include 3 GP lanes plus 1 HOV lane	I, II

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$1,067.0 million	\$2,472.3 million	\$1,900.0 million	\$61.3 million	\$1,838.7 million



# Loop 303

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Riggs Rd to SR-801/MC-85	ROW		V
SR-801/MC-85 to Interstate 10	+ 3 GP – new freeway		V
Interstate 10 to US-60	+ 3 GP – new freeway		II
	TI	Northern Pkwy interchange	V
	TI	Complete US-60 interchange	V
US-60 to Interstate 17	+ 2 GP – Interim rdwy	Underway Open 2011	I
	+ 1 GP – finish fwy		II

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$1,420.0 million	\$2,995.2 million	\$1,845.9 million	\$459.7 million	\$1,386.2 million



# Arizona State Route 801

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-85 to SR-303L	+1 GP – interim facility	Complete EA to identify alignment	V
SR-303L to SR-202L	+3 GP – new freeway		V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$805.0 million	\$1,863.5 million	\$25.0 million	\$25.0 million	\$ -



# SR-802/Williams Gateway Fwy

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
SR-202L to Ellsworth Rd	+3 GP – new freeway	SR-202L interchange and interim 2 GP lanes	III
		+1 GP Lane and finish freeway	V
Ellsworth Rd to Meridian Rd	+3 GP – new freeway		V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$325.0 million	\$471.3 million	\$183.4 million	\$28.3 million	\$153.1 million



# SR-74/Carefree Highway

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
US-60 to SR-303L Spur	Passing Lanes	Underway Open 2010	I
	ROW	Conduct EA and DCR for Lake Pleasant Fwy corridor preservation	V
SR-303L Spur to Interstate 17	ROW		V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$48.0 million	\$55.1 million	\$10.1 million	\$10.1 million	\$ -



# Arizona State Route 85

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Interstate 10 to Hazen Rd	+1 GP	ARRA project Underway 2010-2011	I
	Full freeway construction		V
Hazen Rd to Interstate 8	+1 GP	Underway 2010-2011	I
	Full freeway construction	Includes Interstate 8 interchange	V

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$118.6 million	\$251.0 million	\$142.5 million	\$142.5 million	\$ -



# Arizona State Route 87

- Action underway
- Deferral Recommendation
- Repackage Project



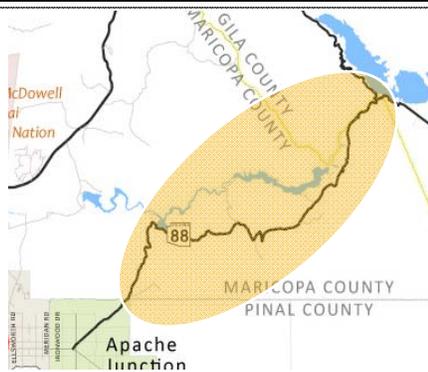
Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Gila County to Shea Blvd	Spot Improvements	Includes Four Peaks Rd interchange	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$38.2 million	\$49.2 million	\$49.2 million	\$49.2 million	\$ -



# SR-88/Apache Trail

- Action underway
- Deferral Recommendation
- Repackage Project



Projects			
SEGMENT	ACTION	COMMENTS	PHASE
Pinal County to Gila County	Spot Improvements	Fish Creek Hill improvements	I

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$1.8 million	\$1.7 million	\$1.5 million	\$1.5 million	\$ -



## System-wide Improvements



- Freeway Management System
- Maintenance
- Noise Mitigation
- Right-of-Way
- Design
- Minor Projects

2003 RTP Estimate	2009 ADOT Cost Opinion	Estimate for Proposed Action	Funding obligated thru FY2010	Remainder for Proposed Action
\$987.0 million	\$1,514.7 million	\$987.1 million	\$319.5 million	\$667.6 million



## Next Steps

- Incorporate the proposed changes into the Regional Freeway and Highway Life Cycle Program
  - Align with expected cash flows.
  - Refine phases as needed.
- Incorporate into Regional Transportation Plan 2010 Update



Looking west at US-60/Superstition from the Super-Red-Tan interchange



**“It takes less time to do a thing right than it does to explain why you did it wrong.”**

HENRY WADSWORTH LONGFELLOW, AMERICAN POET

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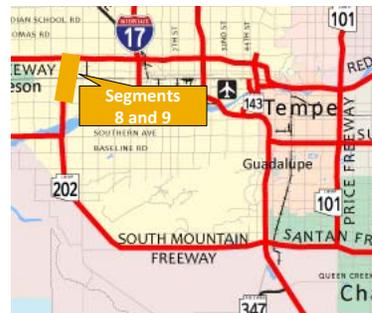
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## Options South Mountain Corridor

FROM JANUARY 2009  
PRESENTATION

- Continue with current plans for 6-lane construction; clear and obtain ROW for ultimate 10-lane freeway
- Construct as a 6-lane freeway only with provision for HOV lanes in median
- “SR-51 Option” – Build freeway within narrower ROW footprint
- Construct as an Arizona Parkway in Freeway ROW
- Construct as an Arizona Parkway in Parkway ROW
- No Build

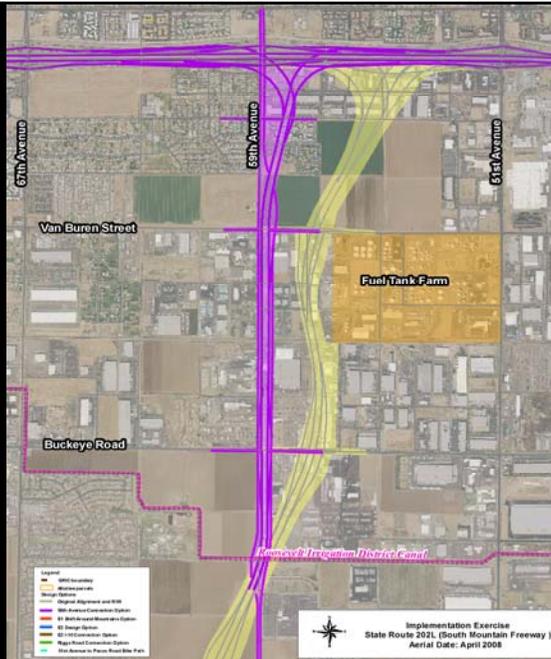


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# 59th Avenue Option South Mountain Corridor



# “Prop 300” Cross-Section

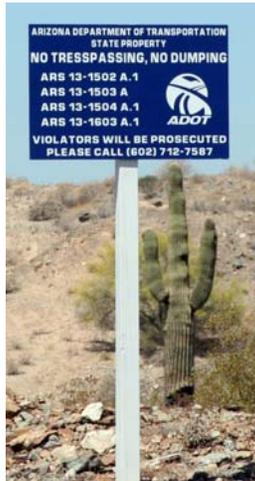


SR-51, looking north from Cactus Rd Overcrossing



# “Prop 300” Cross Section

ADOT owns 95% of the Right-of-Way along Pecos Rd



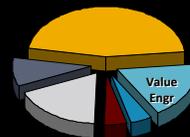
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# Anticipated Savings South Mountain Corridor

**DRAFT**  
Program still under study.



RTP Budget for South Mountain	\$1,067.0 million
Current ADOT Cost Opinion	\$2,470.1 million
Use 59th Avenue versus “55th Avenue”	- \$128.4 million
Use “Prop 300” Cross Section versus current proposal	- \$105.2 million
Lower ROW Contingency and Construction Costs	- \$204.1 million
Other potential savings from Value Engineering	- \$132.5 million
<b>NEW COST OPINION</b>	<b>\$1,900.0 million</b>
<b>NET SAVINGS</b>	<b>\$570.1 million</b>

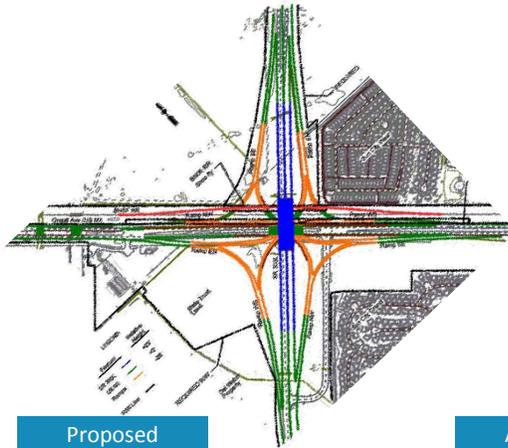


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# US-60/Grand Avenue TI Loop 303 Corridor



Proposed  
\$200 million



Alternate  
\$50 million



# Interstate 10/Papago Fwy TI Loop 303 Corridor



\$1,420 million  
RTP Estimate for Loop 303  
Corridor

Current Cost Opinion

**\$760.4 million**

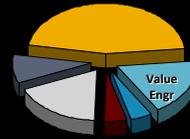
\$251.1 million – Right-of-Way  
\$24.3 million – Design  
\$485.0 million - Construction

Represents **53.5%** of  
entire Loop 303 program  
budgeted in the RTP



# Anticipated Savings Loop 303 Corridor

**DRAFT**  
Program still  
under study.



RTP Budget for Loop 303	\$1,420.0 million
Current ADOT Cost Opinion	\$3,054.0 million
Use US-60 partial cloverleaf versus Stacked SPU	- \$150.0 million
Simplify Interstate 10 TI	- \$370.0 million
Lower ROW Contingency and Construction Costs	- \$185.0 million
Defer construction of MC-85 to Interstate 10 Segment	-\$240.0 million
Other potential savings from Value Engineering	- \$100.0 million
<b>NEW COST OPINION</b>	<b>\$2,009.0 million</b>
<b>NET SAVINGS</b>	<b>\$1,045.0 million</b>

