

Item 7 – State Engineer's Report

September 17, 2021

Summary of Active and Finalized Projects

- **68 projects under construction \$1,535.7 Million**
- **12 projects finalized in August \$146.5 Million**
- **Fiscal Year to date: 17 projects finalized**

I-17, McGuireville TI

ADOT



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Damages from Fires



Damages from Fires

Copper Canyon Fire

Mescal/Telegraph Fires

Slate Fire

Backbone Fire

Other Fires but did not impact ADOT

Tussock Fire

Rock Butte Fire

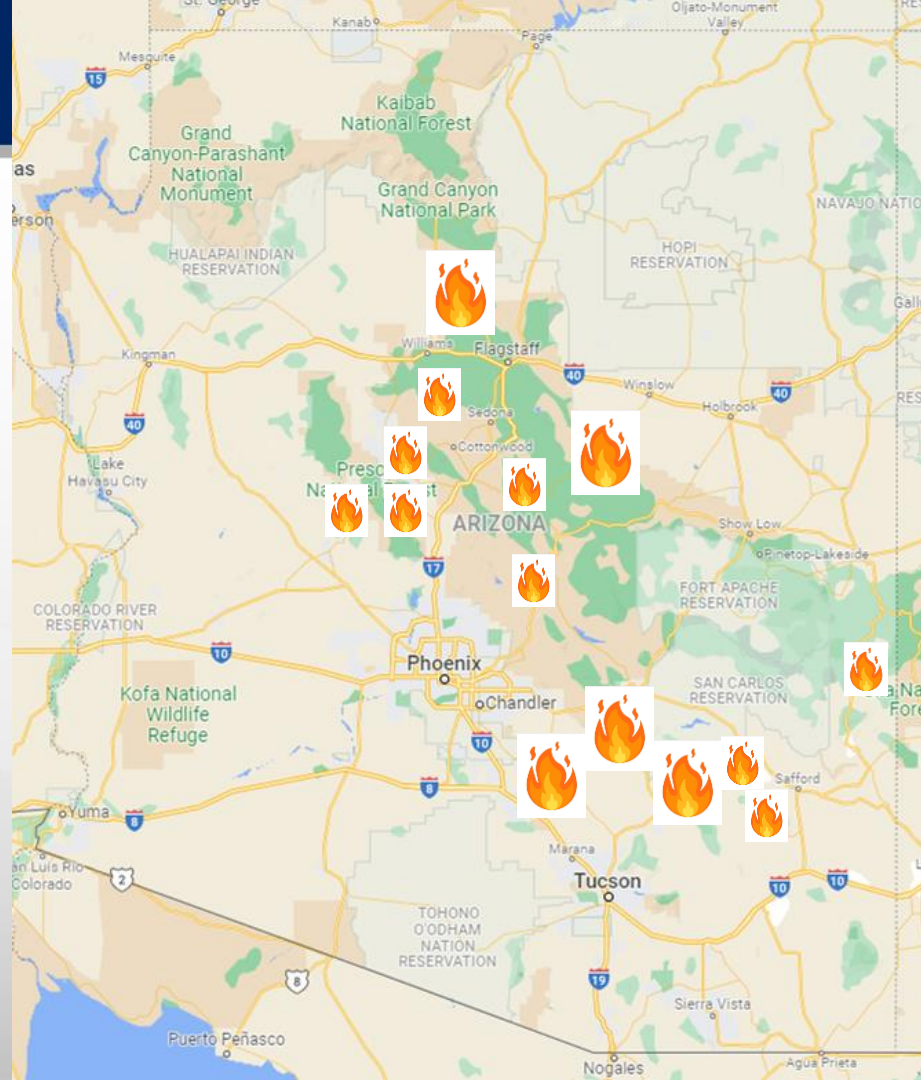
Rafael Fire

Tiger Fire

Bottom Fire

Pinnacle Fire

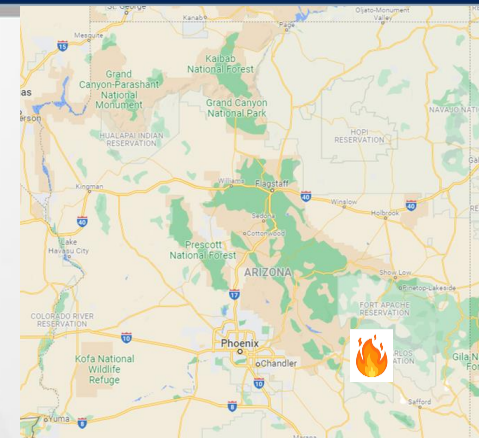
Bear Fire





Event: Copper Canyon Fire

Date of Origin: May 7, 2021

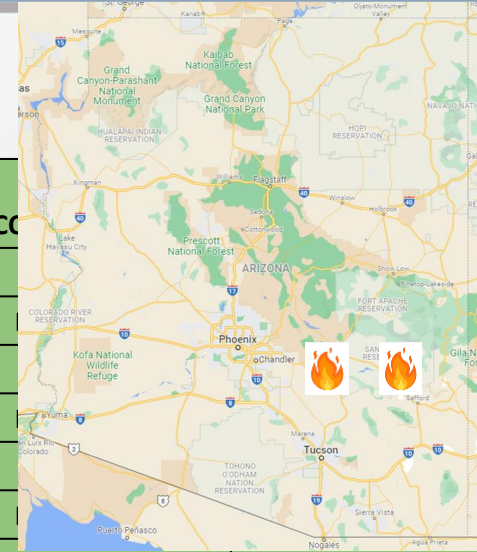


DISTRICT	ROUTE	DESCRIPTION OF DAMAGES	QUANTITY	COST OF DAMAGES	CONTRACT TYPE	FHWA ER ELIGIBILITY
SE DISTRICT	US 60	ROW Fence damaged	51000 LF	\$ 265,800.00	Procurement	No
SE DISTRICT	US 60	Guardrail damaged	5600 LF	\$ 112,040.00	Procurement	No
SE DISTRICT	US 60	ADOT Road closures and restrictions		\$ 15,000.00		No
				\$ 392,840.00		



Event: Mescal/Telegraph Fires (combined events with FHWA approval)

Date of Origin: June 1, 2021

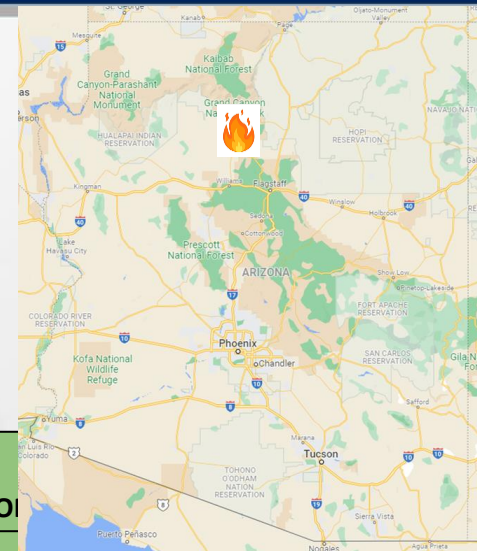


DISTRICT	ROUTE	DESCRIPTION OF DAMAGES	QUANTITY	COST OF DAMAGES		
SE DISTRICT	US 70	Mescal Fire - Fence damages	14800 LF	\$ 60,000.00		
SE DISTRICT	US 70	Mescal Fire - Guardrail damages	100 LF	\$ 6,000.00		
SE DISTRICT	US 60	Telegraph Fire - Fence damages	6280 LF	\$ 92,000.00		
SE DISTRICT	US 60	Telegraph Fire - Guardrail damages	1525 LF	\$ 55,000.00		
SE DISTRICT	SR 177	Telegraph Fire - Fence damages	36960 LF	\$ 625,000.00		
SE DISTRICT	SR 177	Telegraph Fire - Guardrail damages	10800 LF	\$ 320,000.00		
SE DISTRICT	SR 77	Telegraph Fire - Fence damages	40000 LF	\$ 850,000.00		C&S Yes
SE DISTRICT	SR 77	Telegraph Fire - Guardrail damages	23000 LF	\$ 325,000.00		Procurement Yes
SE DISTRICT		ADOT Road Closures and Restrictions for Fire event		\$ 150,000.00		Yes
SE DISTRICT	US 60	Flood damages at MP 241.8		\$ 106,000.00		Procurement Yes
SE DISTRICT	US 60	ADOT Road Closures and Restrictions		\$ 10,000.00		Yes
SE DISTRICT	US 60	Permanent Restoration project - address drainage issues from MP 241 to 244	Starting Project Development	TBD		C&S Yes



Event: Slate Fire

Date of Origin: June 7, 2021

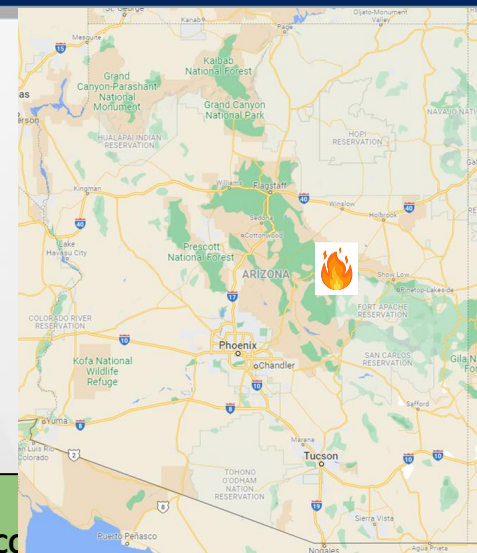


DISTRICT	ROUTE	DESCRIPTION OF DAMAGES	QUANTITY	TOTAL COST	CO	
NC District	US 180	ROW Fence damaged	34848 LF	\$ 254,844.00	Procurement	No
NC District	US 180	ADOT Road Closures		\$ 10,000.00		No
				\$ 264,844.00		



Event: Backbone Fire

Date of Origin: June 16, 2021



DISTRICT	ROUTE	DESCRIPTION OF DAMAGES	QUANTITY	COST	CO
NC District	SR 260	No damages reported; Road closures only		\$ 10,000.00	No
NC District	SR 87	No damages reported; Road closures only		\$ 10,000.00	No
				\$ 20,000.00	

Damages from Floods



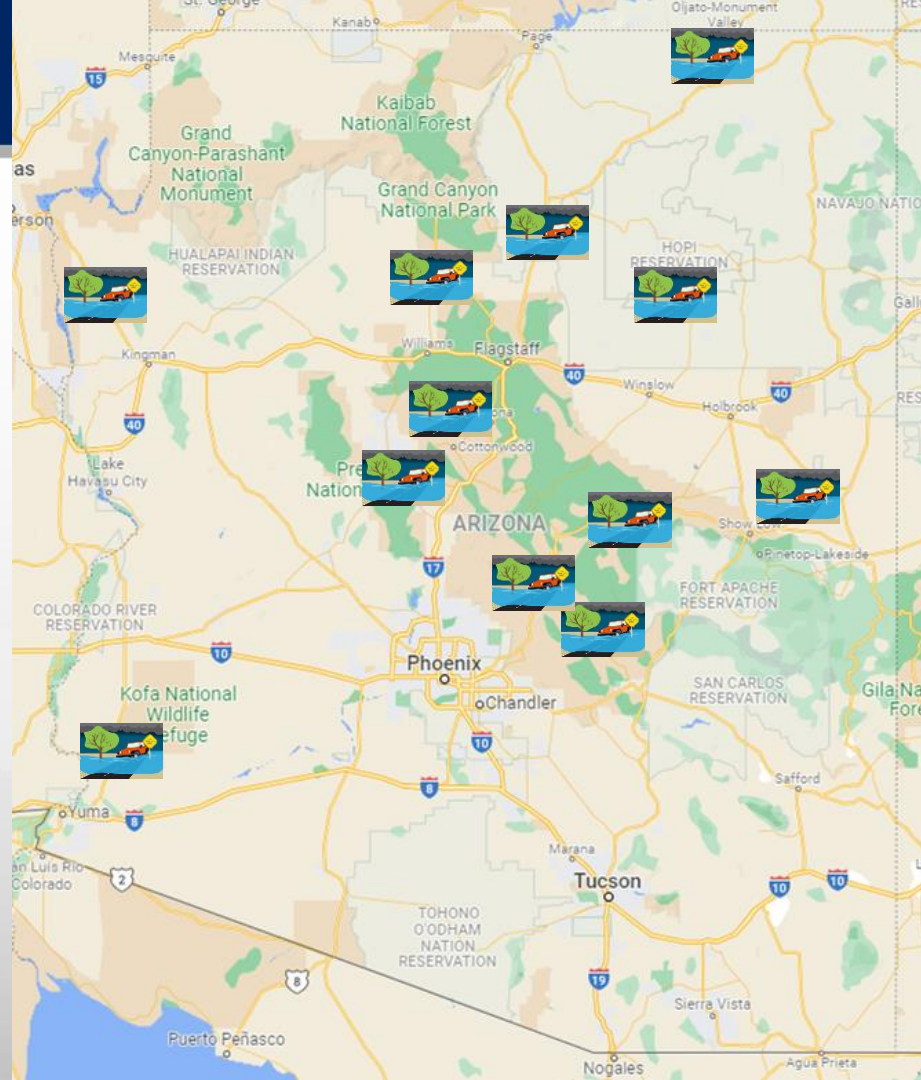
Event: July Monsoon Storm Event

Duration of Event: July 13th to August 1st, 2021

\$ 579,290 in damages to State Highways

\$ 454,290 in damages to State Highways (ER eligible)

\$ 387,000 in damages to Local ER eligibility Roadways





DISTRICT	ROUTE	DESCRIPTION OF DAMAGES		COST	CONTRACT TYPE	ER ELIGIBILITY
NC District	US 89A	Flood damages to roadway embankment		\$ 15,000.00	ADOT Self-Performed	Yes
NC District	US 89A	Damages to existing concrete box culvert		\$ 50,000.00	Procurement	Yes
NC District	SR 89A	ROW fencing damaged		\$ 20,000.00	ADOT Self-Performed	Yes
NC District	US 160	Pipe plugged with debris and roadway overtopped and damaged roadway embankment		\$ 30,000.00	ADOT Self-Performed	Yes
NC District	SR 87	Scour damages to roadway embankment and pipe headwall undermined		\$ 50,000.00	C&S	Yes
NC District	SR 87	Box culvert silted for sediment debris		\$ 100,000.00	ADOT Self-Performed	No
NC District	US 89	Mud and sediment debris on roadway and flood damages to riprap areas		\$ 15,000.00	ADOT Self-Performed	Yes
NC District	SR 87	Sediment debris and minor shoulder damages		\$ 25,000.00	ADOT Self-Performed	No
NC District	US 89	Sediment debris and drainage cut ditch damaged		\$ 20,000.00	ADOT Self-Performed	Yes
NC District	US 89A	Erosion scour occurred in roadway fill slope and rip rap areas		\$ 55,390.00	Construction Contract	Yes
NE District	US 60	Embankment damages along roadway and around drainage structures.		TBD	ADOT Self-Performed	Yes
NE District	SR 61	Embankment damages along roadway and around drainage structures.		TBD	TBD	Yes



DISTRICT	ROUTE	DESCRIPTION OF DAMAGES		COST	CONTRACT TYPE	ER ELIGIBILITY
NE District	SR 87	Embankment damages along roadway and around drainage structures.		TBD	TBD	Yes
NE District	SR 260	Embankment damages along roadway and around drainage structures.		TBD	TBD	Yes
NE District	SR 163	Embankment damages along roadway and around drainage structures.		TBD	TBD	Yes
NW District	US 93	MP60 Roadway shoulder washed out, along with a section of pavement		\$ 8,900.00	ADOT Self-Performed	Yes
NW District	US 93	Debris filled existing box culvert causing overflow of roadway and erosion along roadway shoulder		\$ 13,000.00	ADOT Self-Performed	Yes
NW District	SR 89	Heavy flooding, scouring underneath roadway 4 to 6 feet. Had to over excavate material for repair of roadway.		\$ 52,000.00	ADOT Self-Performed	Yes
SW District	US 95	Roadway shoulder scoured and pipe undermined due to water overtopping the roadway from MP 59 to 61.03		\$ 25,000.00	ADOT Self-Performed	Yes
TSMO Division	US 60	ITS pullboxes, Signal Cabinets, Conduit and wiring damages in Town of Miami		\$ 100,000.00	TBD	Yes

Totals Damages to State Highways \$ 579,290



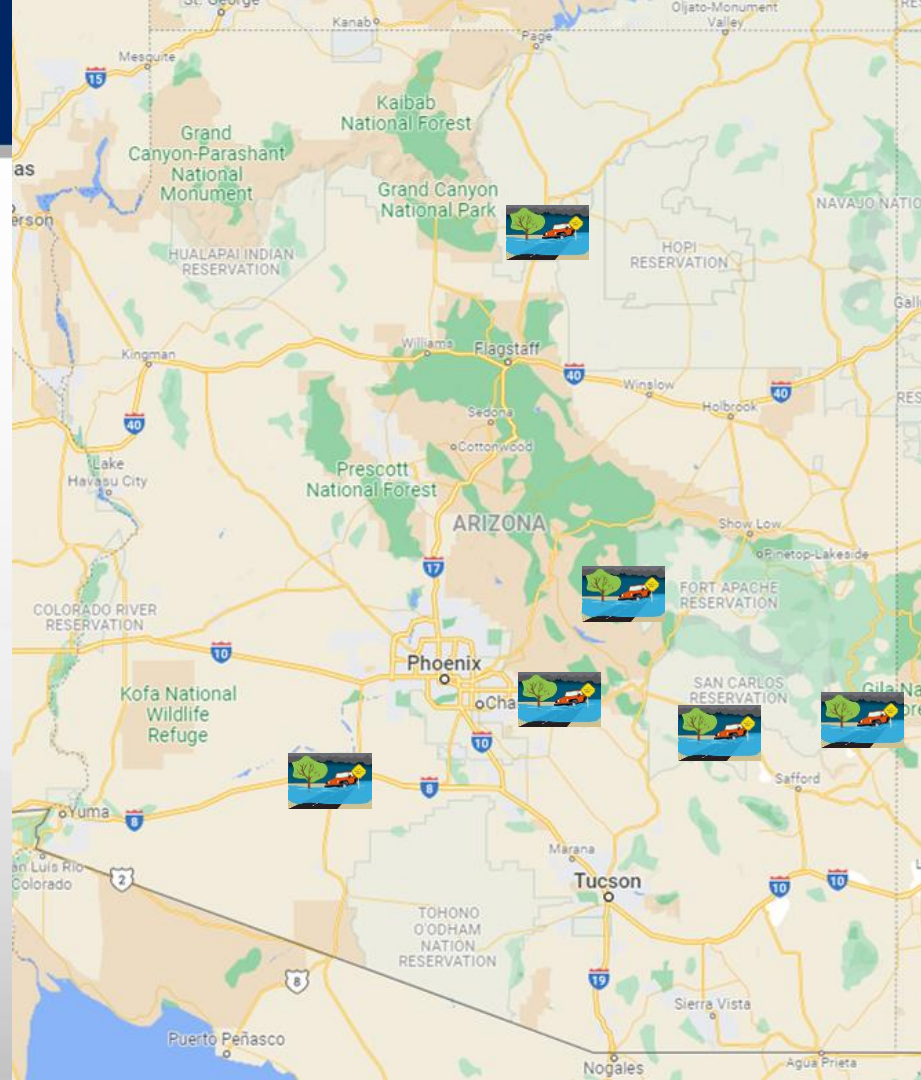
DISTRICT	ROUTE	DESCRIPTION OF DAMAGES		COST	CONTRACT TYPE	ER ELIGIBILITY
City of Flagstaff		Various locations - pending submittal		\$ 200,000.00	City Self-Performed	Yes
Town of Miami		Pending submittal		TBD	TBD	Yes
Apache County		Damages to county road near St. Johns - pending submittal		\$ 187,000.00	TBD	Yes
Pinal County		River Road, Mammoth - Roadway damaged, embankment damages - pending submittal		\$ 200,000.00	TBD	Yes

Totals Damages to Local Eligibility Highways \$ 387,000

Event: August Monsoon Storm Event

Duration of Event: August 17th and 18th, 2021

- \$ 2,580,000 in damages to State Highways
- \$ 2,580,000 in damages to State Highways (ER eligible)
- \$ 900,000 in damages to Local ER eligibility Roadways





DISTRICT	ROUTE	DESCRIPTION OF DAMAGES		COST	CONTRACT TYPE	ER ELIGIBILITY
SE District	US 60	Flood damages to DMS/ITS infrastructure, roadway embankment, ROW fence, electrical pull boxes and cabinets washout caused from burn scar of Mescal/Telegraph Fires		\$425,000.00	Procurement	Yes
SE District	SR 77	Roadway embankment washed out, undermined the roadway, washed out two guardrail end treatments, damaged transition spillway and spillway damages caused from burn scar of Mescal/Telegraph Fires from MP 162.8 to 163.2.		\$790,000.00	Procurement	Yes
SE District	SR 188	Railbank protection washed out and damaged at Campaignn Creek at MP 234.9.		\$290,000.00	Procurement	Yes
SE District	SR 288	Roadway embankment washed out, signage and delineators damaged - borrow material, embankment protection, erosion control, signage, pavement repairs, ROW fence, pavement marking needed for repairs at MP 260 to 261. Flood damages caused from burn scar of Salt/Griffin Fires.		\$575,000.00	Procurement	Yes
SE District	US 191	US 191, MP 241 Roadway scouring and undermining of roadway embankment from excessive water runoff from burn scare of the Bear Fire		\$500,000.00	C&S	Yes



DISTRICT	ROUTE	DESCRIPTION OF DAMAGES		COST	CONTRACT TYPE	ER ELIGIBILITY
City of Flagstaff		Various Locations - pending submittal		\$200,000.00		Yes
Pinal County		Park Links Road - two low water crossing and a bridge abutment washed out		\$700,000.00		Yes

Totals Damages to Local Eligibility Highways \$900,000

Item 8 – New Construction Contracts

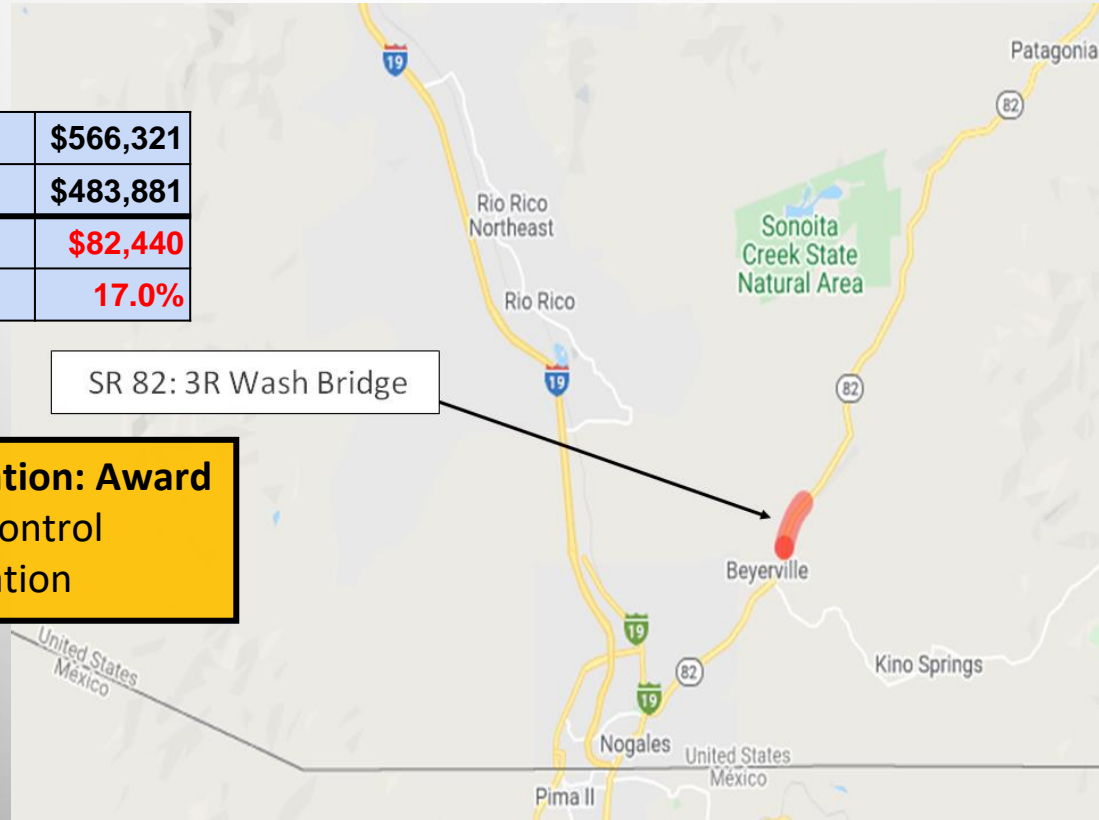
Item	Highway	Low bid	State Estimate	Difference	Percent
3i	I-10B	\$6,134,883.00	\$6,221,507.00	(\$86,624.00)	-1.4%
3j	SR 19B	\$708,429.00	\$670,273.80	\$38,155.20	5.7%
3k	SR 85	\$13,546,326.65	\$14,912,872.00	(\$1,366,545.35)	-9.2%
3l	SR 347	\$306,607.80	\$300,206.50	\$6,401.30	2.1%
3m	I-10	\$2,744,129.00	\$2,761,965.10	(\$17,836.10)	-0.6%
8a	SR 82	\$566,321.00	\$483,881.00	\$82,440.00	17.0%
8b	Local	\$5,129,410.55	\$3,925,002.55	\$1,204,408.00	30.7%
TOTAL THIS MONTH		\$24,006,696.45	\$25,350,705.40	(\$1,344,008.95)	-5.3%
TOTAL FY TO DATE		\$59,199,079.40	\$63,027,792.77	(\$3,828,713.37)	-6.1%

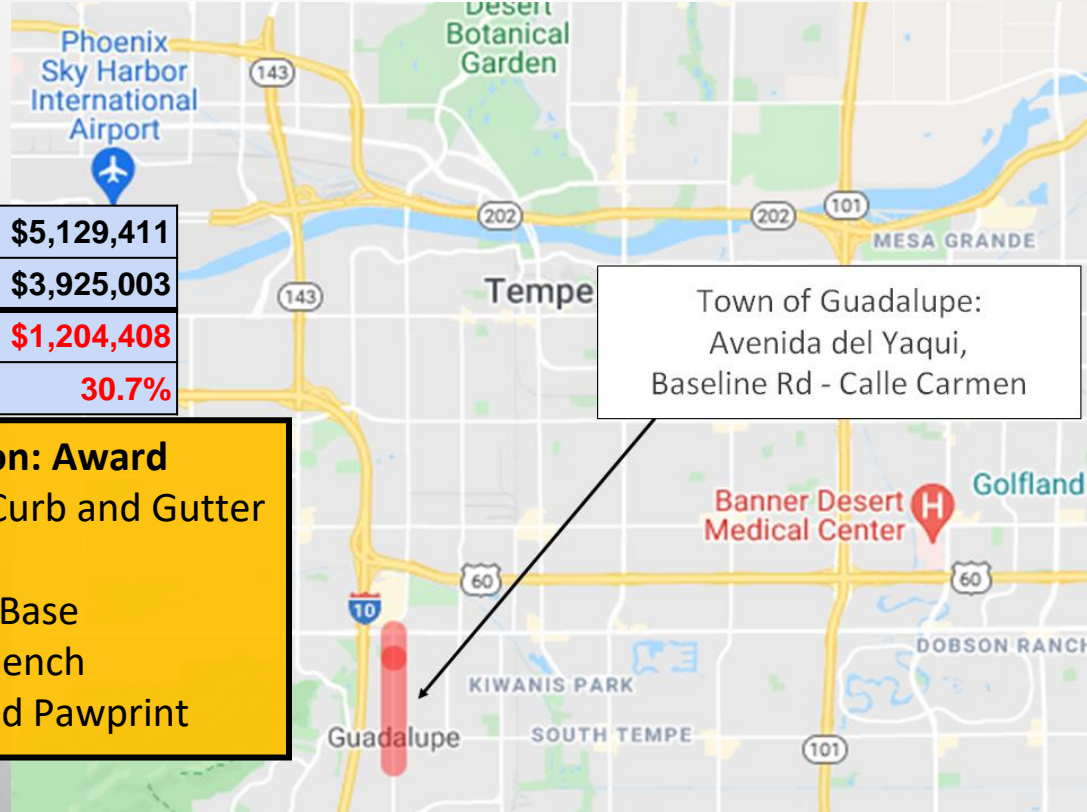
Low Bid	\$566,321
State estimate	\$483,881
Difference	\$82,440
% Difference	17.0%

SR 82: 3R Wash Bridge

Recommendation: Award

- Traffic Control
- Mobilization



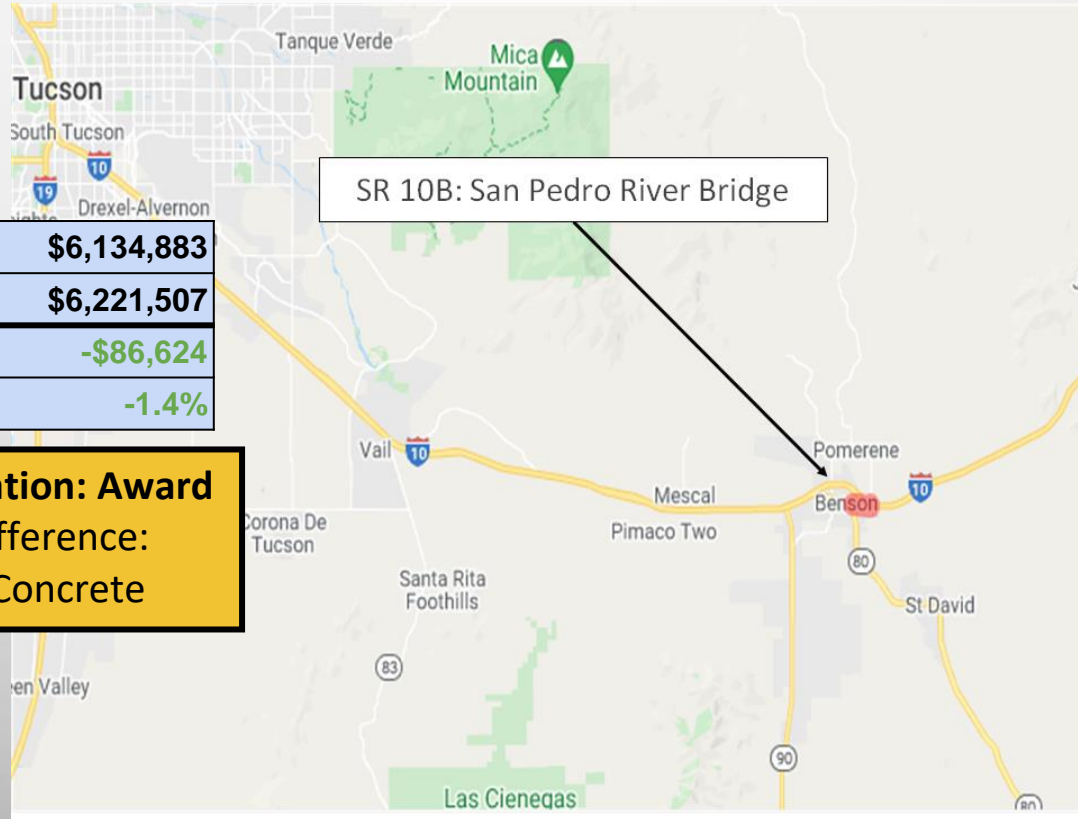


Low Bid	\$5,129,411
State estimate	\$3,925,003
Difference	\$1,204,408
% Difference	30.7%

Town of Guadalupe:
Avenida del Yaqui,
Baseline Rd - Calle Carmen

Recommendation: Award

- Sidewalk, Curb and Gutter
- Milling
- Aggregate Base
- Concrete Bench
- Sandblasted Pawprint



SR 10B: San Pedro River Bridge

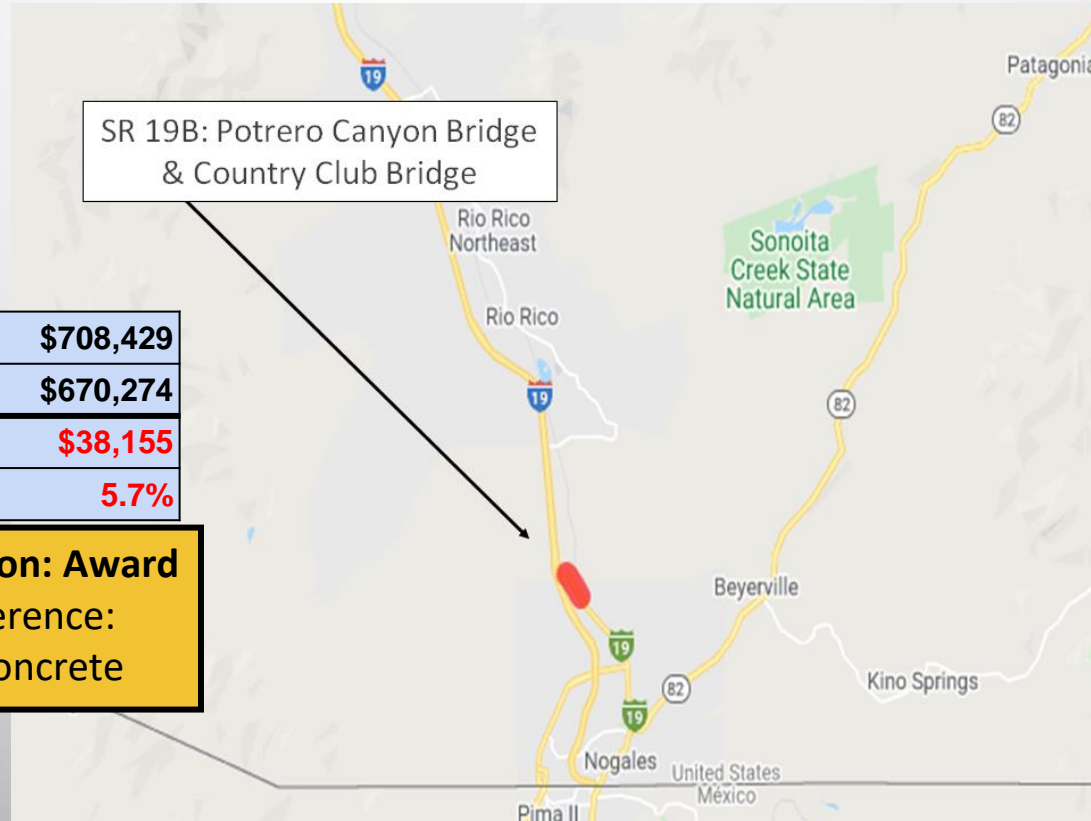
Low Bid	\$6,134,883
State estimate	\$6,221,507
Difference	-\$86,624
% Difference	-1.4%

Recommendation: Award
Reason for Difference:

- Asphaltic Concrete



SR 19B: Potrero Canyon & Country Club Bridges

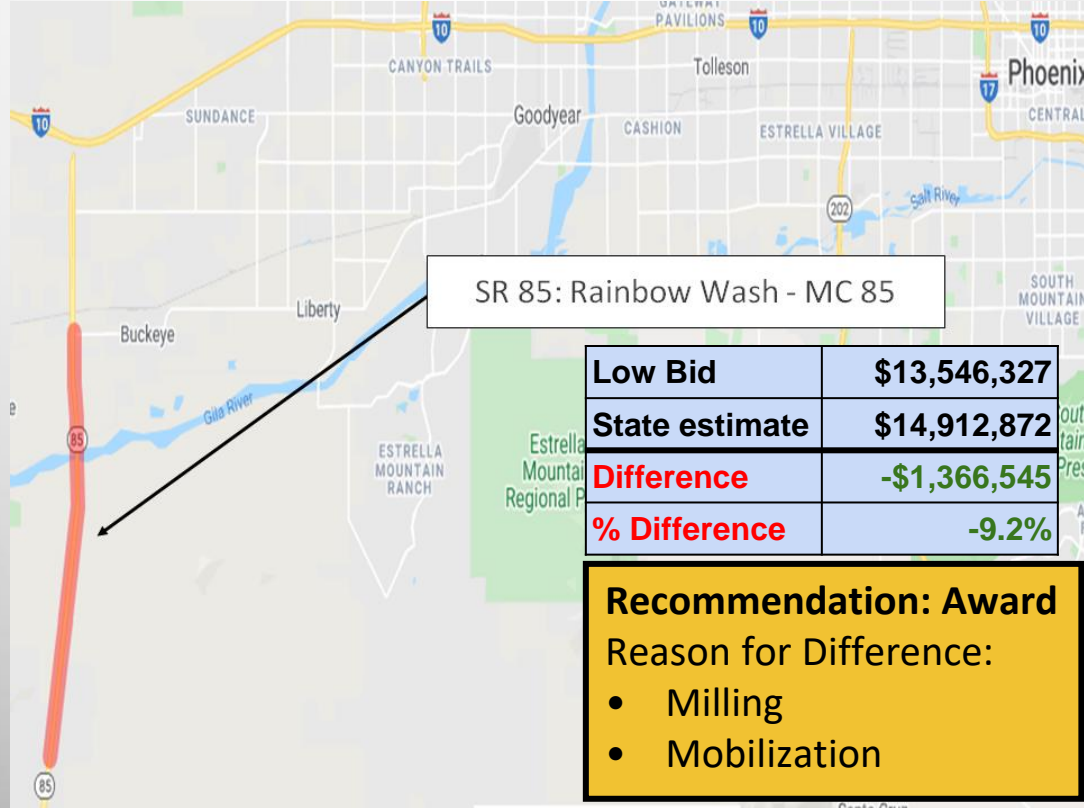


SR 19B: Potrero Canyon Bridge & Country Club Bridge

Low Bid	\$708,429
State estimate	\$670,274
Difference	\$38,155
% Difference	5.7%

Recommendation: Award
 Reason for Difference:
 • Structural Concrete

PAVEMENT REHABILITATION
SR 85: Rainbow Wash



SR 85: Rainbow Wash - MC 85

Low Bid	\$13,546,327
State estimate	\$14,912,872
Difference	-\$1,366,545
% Difference	-9.2%

Recommendation: Award
Reason for Difference:

- Milling
- Mobilization

CONSTRUCT SIDEWALKS

SR 347: Smith Enke Rd to Edison Rd

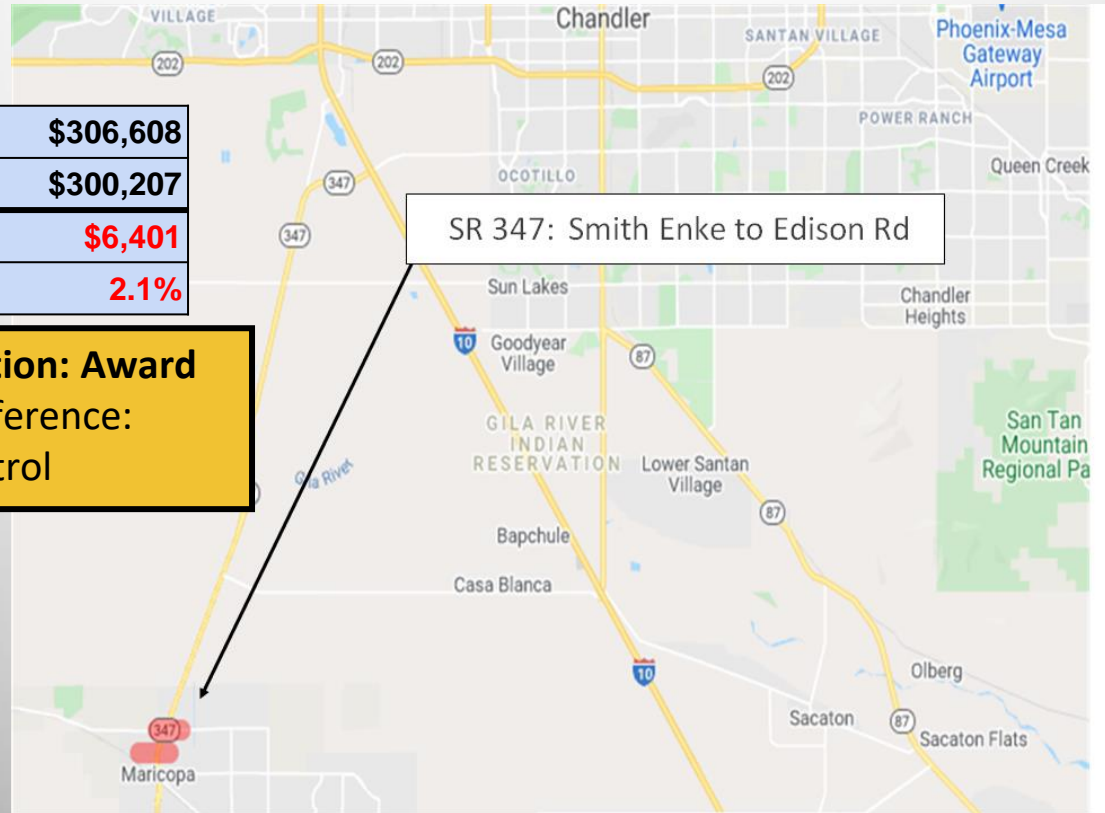


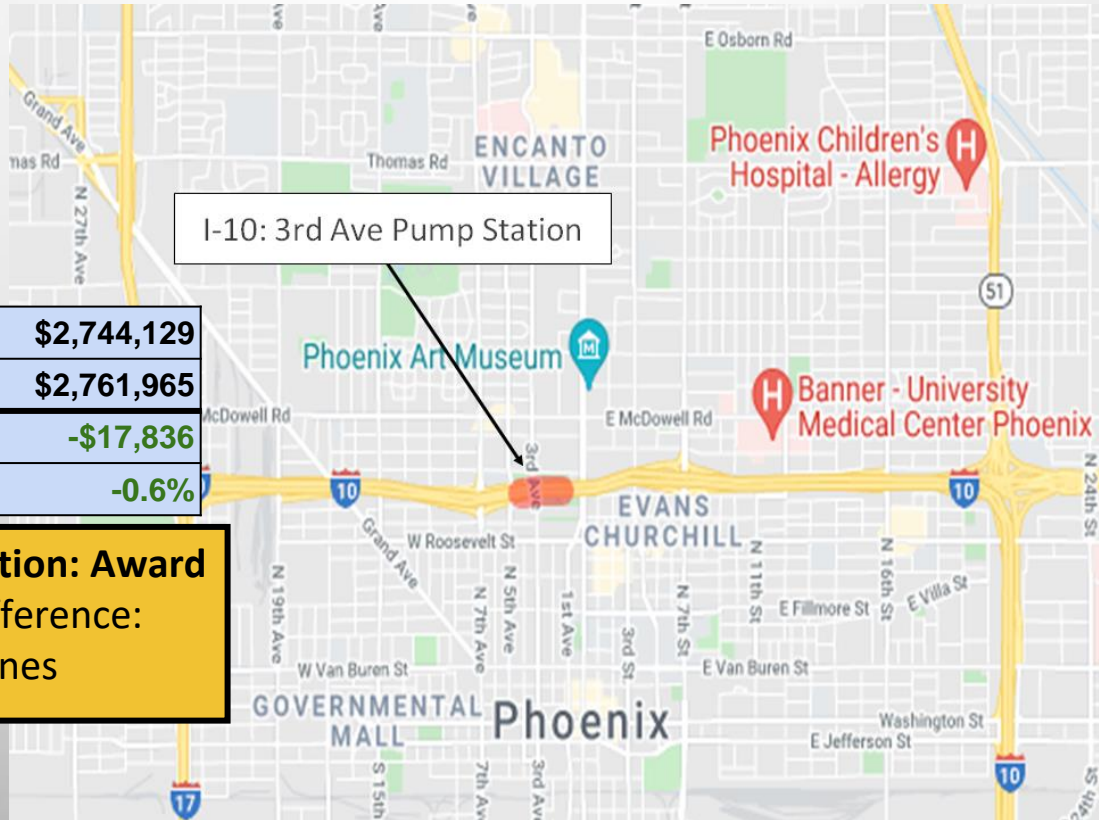
Low Bid	\$306,608
State estimate	\$300,207
Difference	\$6,401
% Difference	2.1%

Recommendation: Award

Reason for Difference:

- Traffic Control





I-10: 3rd Ave Pump Station

Low Bid	\$2,744,129
State estimate	\$2,761,965
Difference	-\$17,836
% Difference	-0.6%

Recommendation: Award
Reason for Difference:

- Pump Engines