

3.2 MODELED REGIONAL ROADWAY NETWORK

The modeled regional roadway network for the Eastern Arizona study area consists of a combination of state routes and local regionally significant roadways. The study area includes portions of 35 Arizona State Routes or Interstate Highways covering approximately 2000 miles, and includes the following:

- I-10
- I-19
- SR 10B
- SR 180A
- SR 181
- SR 186
- SR 188
- SR 189
- SR 260
- SR 261
- SR 266
- SR 273
- SR 277
- SR 288
- SR 289
- SR 366
- SR 373
- SR 377
- SR 473
- SR 61
- SR 73
- SR 75
- SR 77
- SR 78
- SR 80
- SR 82
- SR 83
- SR 87
- SR 88
- SR 90
- SR 92
- SR 99
- US 180
- US 191
- US 60
- US 70

Local roadways included in the regional roadway network consist largely of two-lane roadways categorized as Minor Arterials or Major Collectors and provide sub-regional connections often connecting between state routes. Local roadways in the model network include:

Mogollon Rim Focus Area:

- Bourdon Ranch Road
- Concho Highway
- Penrod Road

Copper Country Focus Area

- 8th Avenue
- Safford-Sanchez Road
- Reay Lane, Airport Road
- 20th Avenue
- Discovery Park Boulevard
- Soloman Road
- Coolidge Dam Road
- BIA 008

Cochise-Santa Cruz Focus Area

- Fry Boulevard
- Charleston Road
- Buffalo Soldier Trail
- 7th Street
- Coronado Drive
- Pendleton Drive
- South River Road
- Ruby Road
- Grand Avenue
- Western Avenue
- Mariposa Road
- Naco Highway
- Dragoon Road
- Kansas Settlement Road
- Davis Road

Within the Eastern Arizona study area the model network for 2005 and 2030 are nearly the same. The difference between the two networks is that 2030 includes committed projects, which adds capacity or additional lanes to a handful of roadways. This includes roadway widening on SR 260, SR 191, SR 92 and SR 90. Figures 3-1 and 3-2 show the 2005 and 2030 model network respectively.

Figure 3-1 Roadway Network, Year 2005

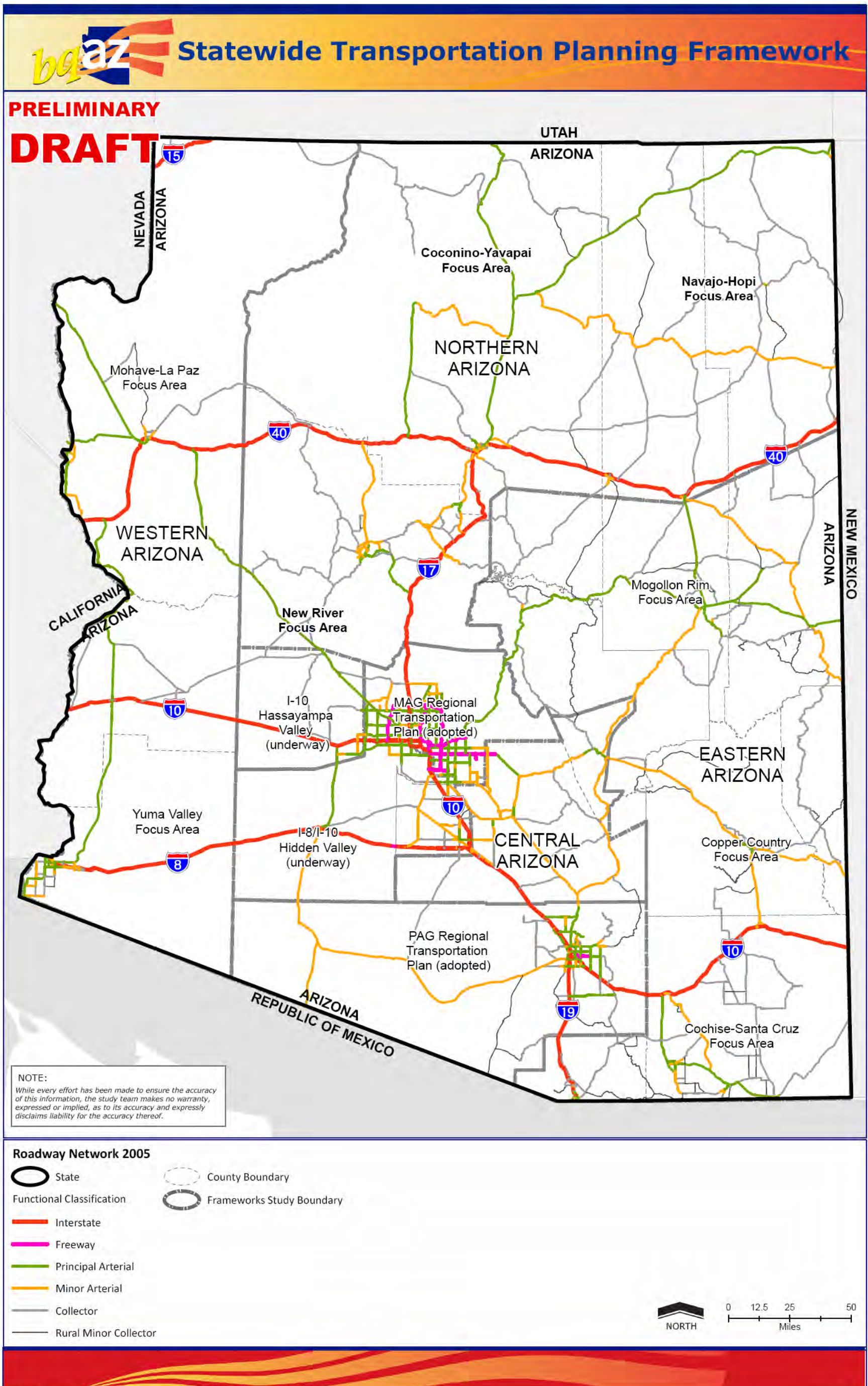
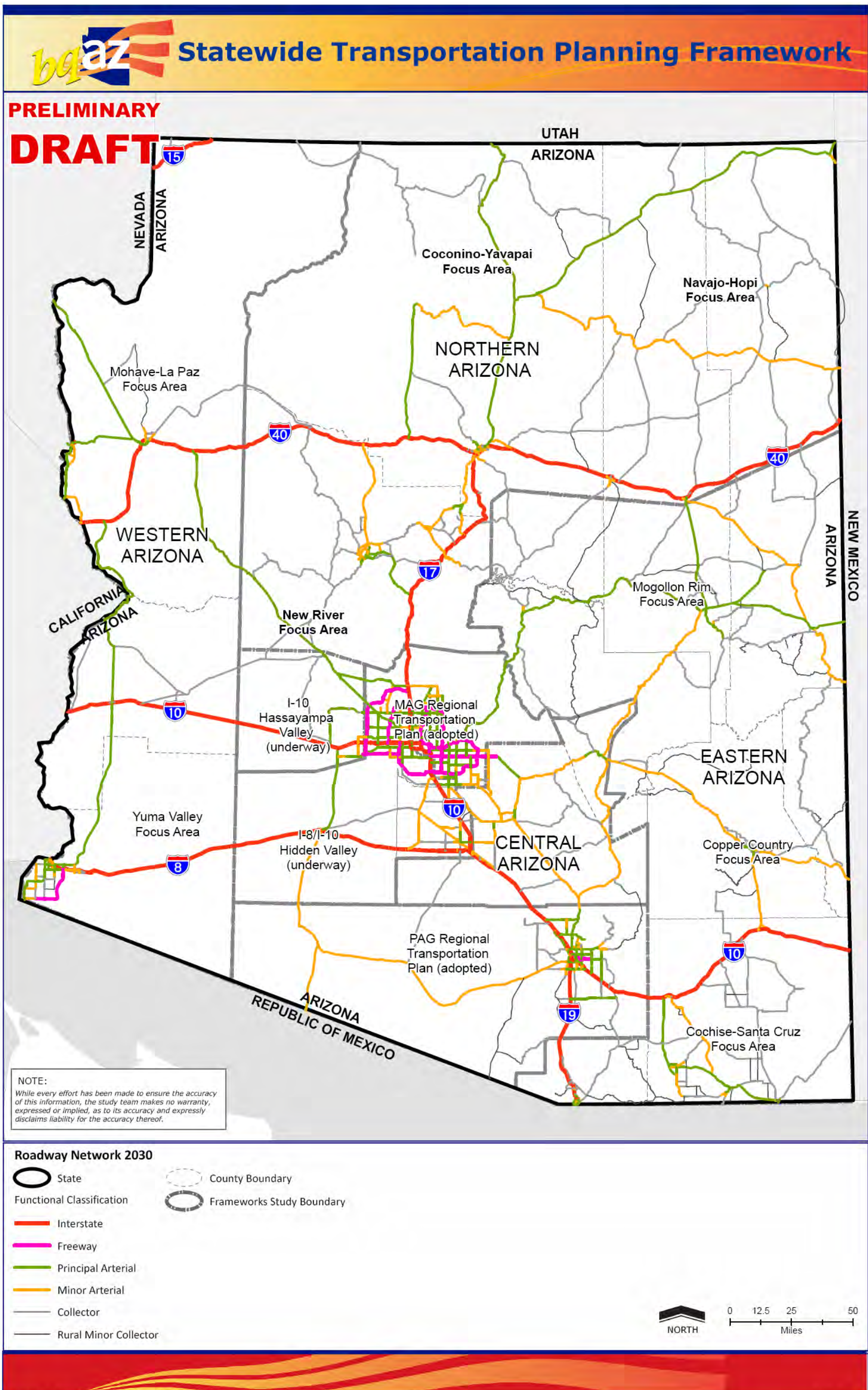


Figure 3-2 Year 2030 Base Roadway Network



The programmed short term roadway improvements were acquired from both the Arizona Department of Transportation (ADOT) and three Council of Governments (COG). The State Transportation Improvement Program (STIP) identified roadway improvements for the 2008 to 2011 Fiscal Years and the COGs Transportation Improvement Programs (TIPs) identified the transportation improvements for the 2008 to 2012 Fiscal Years. Table 3.1 identifies the roadway improvements for the state and local areas from the STIP. This table includes the name of the project, the location, the type of work to be conducted, the year of funding, the funding sources and the total cost of the project improvement.

Table 3.1 Programmed Short-Term Roadway Improvements

Project	Location	Type of Work	Year	Major Funding Sources	Total Cost (\$000)
ADOT Five-Year Transportation Program					
I-10	Luzena to Bowie (Cochise)	RR 4" TL, PL & ARFC/RR ARFC	2008	IM HES STATE TOTAL	\$4,896 \$500 \$104 \$5,500
I-19	JCT 19 to Palo Parado (Santa Cruz)	R&R, ARAC & ARFC	2008	STATE IM TOTAL	\$198 \$14,800 \$14,998
US 60	Show Low Creek Bridge #00383 (Navajo)	Construct Bridge	2008	GVT STP TOTAL	\$1,000 \$3,500 \$4,500
SR 77	MP 145 to MP 147 (Gila)	Roadway Construction	2008	STP	\$1,100
SR 92	Carr Canyon Rd to Hunter Canyon (Cochise)	Widen to 5 Lanes	2008	STP	\$16,542
SR 189	Mariposa Port of Entry (Santa Cruz)	Cyborport Improvements	2008	STP	\$350
SR 189	Mariposa Port of Entry (Santa Cruz)	Construct New Parking Area, Road Improvements	2008	CBI	\$1,079
US 191	Roper Lake State Park (Graham)	Construct Road, Phase II	2008	STATE	\$1,400
US 191	Cochise SPRR OP #2530 (Cochise)	Bridge Replacement	2008	STP BR TOTAL	\$750 \$2,500 \$3,250
US 191	Ten Ranch Owl Canyon - Segment III (Graham)	Construct Parallel Roadway	2008	STP STATE STP TOTAL	\$11,800 \$963 \$1,247 \$14,010
US 191	Standard Parallel – Witch Well (Apache)	2" Mill & Replace with AC + ½" AR-ACFC & Bridge Replacement	2008	BR STP TOTAL	\$1,230 \$3,533 \$4,763
US 191	Burnside Junction to North (Apache)	Roadway Widening	2008	STP	\$7,500
SR 260	Little Green Valley (Gila)	Reconstruct Roadway	2008	NH	\$27,125
I-10	SR 90 TI (Cochise)	Reconstruct SR 90 TI and Add Passing Lane	2009	STP NH TOTAL	\$1,476 \$21,000 \$22,476
SR 77	MP 364 to MP 372 (Navajo)	Construct Passing Lane	2009	NH	\$2,250
US 160	JCT 89 – Van's Trading Post (Coconino)	2" ARAC & ARFC & Turn lanes	2009	STP STATE	\$4,019 \$75



Project	Location	Type of Work	Year	Major Funding Sources	Total Cost (\$000)
				TOTAL	\$4,094
US 191	Nahata'Dzil Road to Sanders TI (Apache)	Reconstruct 3 Bridges and Roadway	2009	STP HES TOTAL	\$15,254 \$1,528 \$16,782
SR 87	Tonto Natural Bridge (Gila)	Construct New Road	2010	STATE	\$575
SR 87	Homolovi Ruins State Park (Navajo)	Construct Road	2010	STATE	\$975
US 160	JCT SR 564 – TSEGI, Phase I (Navajo)	Construct Duel Passing Lanes	2010	NH	\$2,250
US 191	Wide Ruins (Apache)	Widening for Passing/Climbing Lanes, Safety	2010	STP	\$2,400
SR 260	Doubtful Canyon Section (Gila)	Reconstruct Roadway	2010	NH	\$40,000
US 70	Railroad Overpass to JCT SR 77 (Gila)	Construct New Roadway and Railroad Structure	2011	STP	\$4,250
SR 90	Central Avenue to Moson Road, East of Sierra Vista (Cochise)	Widen to 5 Lanes	2011	NH	\$5,000
US 191	Dial Wash to Ten Ranch – Segment II (Graham)	Construct Parallel Roadway	2011	STP	\$8,750
US 191	Chinle South (Apache)	Roadway Widening	2011	STP	\$2,375
SR 260	Herber to Show Low (MP 317.13 to MP 317.9 EB; MP 319.23 to MP 320.45 WB; MP 300.75 to MP 332 WB) (Navajo)	Construct Passing Lanes	2011	NH	\$3,000
Local TIPs/CIPs					
7 th South	US 180 to 13 th West (St. Johns)	2" Overlay, CG&S, Lighting	2008	HURF	\$888
Concho/Snowflake Hwy	0.6 mi East of SR 77 (Snowflake)	Reconstruction	2008	HURF	\$908
CR-3148 & CR-3144	Vernon (Apache County)	Pave Existing Chip Sealed Roadway	2008	HURF	\$888
Lake Mary Road	MP 304 to MP 308 (Coconino County)	Reconstruction and Widening	2008	HURF	\$616
Hart Lake Road	End of Woodland Road (Pinetop-Lakeside)	Pave Existing Dirt Facility	2008	HURF	\$528
Lone Pine Dam Road Bridge	Lone Pine Dam Road (Navajo County)	Construct Bridge and Approaches	2008	FEDERAL	\$2,000
Butler Street	Maricopa Drive to Outer Loop Road (Eagar)	4" Cold Mix Overlay	2009	HURF	\$887
Papermill Road	600 West to Highland Road (Taylor)	Reconstruction and Widening, CG&S, Lighting	2009	HURF	\$1,245
Obed Road Bridge	Obed Road (Navajo County)	Replacement	2009	FEDERAL	\$1,000
Scott Ranch Road	Penrod Road to SR 260 (Show Low)	Construct New Roadway with CG&S, New Bridge Across Show Low Creek	2009	FEDERAL	\$1,000
Pima Street	US 60 to Maricopa Drive (Springerville)	3" Overlay	2010	HURF	\$887



Project	Location	Type of Work	Year	Major Funding Sources	Total Cost (\$000)
Lake Mary Road	MP 302 to MP 306 (Coconino County)	Pavement Overlay, Flatten Slopes	2011	HURF	\$616
Porter Mountain Road	Penrod Road to County Line (Navajo County)	Realign and Pave Existing Gravel Roadway	2011	HURF	\$1,246
South 12 th Street	Fir Street to Crestview Drive (Cottonwood)	Reconstruction, CG&S	2011	HURF	\$714
CR-3144	Vernon to County Line (Apache County)	Pave Existing Gravel/Chip Sealed Roadway	2012	HURF	\$887
Penrod Road	US 60 South to City Limits (Show Low)	Widening and Shoulder Improvements	2012	HURF	\$1,246
Indian Route 6	San Carlos Apache Tribe	Straightening and Signage	2008	FEDERAL LOCAL TOTAL	\$500 \$125 \$625
East Bonita Street – Phase I	SR 87 to St. Philips Street (Payson)	Reconstruction	2010	HURF LOCAL TOTAL	\$268 \$105 \$373
East Bonita Street – Phase II	SR 87 to St. Philips Street (Payson)	Reconstruction	2011	HURF LOCAL TOTAL	\$500 \$410 \$910
East Phoenix Street	SR 87 to Sycamore Street (Payson)	Reconstruction	2012	HURF	\$400
Moonlight Drive	South of SR 260 (Star Valley)	Reconstruction	2012	HURF	\$76
Tonto Creek Bridge	Tonto Creek (Gila County)	Construct Bridge	2008 to 2012	FEDERAL LOCAL TOTAL	\$2,960 \$592 \$3,552
Safford Bridge	Graham County	Construction	2008	FEDERAL LOCAL TOTAL	\$12,037 \$1,911 \$13,948
Davis Road	Cochise County	Reconstruction	2008	FEDERAL	\$3,000
Charleston Road	Sierra Vista	Reconstruction and Widening from 2 to 5 Lanes	2008	FEDERAL LOCAL TOTAL	\$2,999 \$162 \$3,161
Arizona Street	Bisbee	Reconstruction	2011	FEDERAL LOCAL TOTAL	\$2,200 \$125 \$2,325
Octillo Avenue	Benson	Reconstruction and Widening from 2 to 3 Lanes	2012	N/A	N/A
Rio Rico West Frontage Road	Santa Cruz County	Reconstruction	2012	N/A	N/A

SOURCE: Arizona State Transportation Improvement Program 2008-2011, ADOT, 2007

