

3.2 MODELED REGIONAL ROADWAY NETWORK

This section provides an overview of the roadway networks that were modeled for the 2005 network and the 2030 Base (existing and committed) network. Public transit, which was not modeled in these framework studies, is discussed in subsequent sections.

Year 2005 Network

The year 2005 modeled roadway network includes freeways, state highways, and arterials and major collectors. Minor collector and local streets are not analyzed in this study. Figure 3-1 shows the existing roadway network in the study area, and identifies roadways included in the 2005 Statewide Travel Demand Model.

Year 2030 Base (Existing Plus Committed) Network

The 2030 Base network includes all 2005 roadways as well as committed projects that are programmed (funded) from the ADOT Five-Year TIP (fiscal years 2008-2011), the *Central Arizona Association of Governments Transportation Improvement Program, Fiscal Years 2008-2012*, and local TIPs and CIPs. Programmed projects include capacity, service, and non-capacity roadway improvements. The 2030 Base network is shown in Figure 3-2.

Table 3.1 lists the programmed short-term roadway improvements illustrated in Figure 3-2. The roadway improvements in the ADOT TIP include widening I-10 to three through lanes in each direction between I-8 and the Picacho Peak traffic interchange. Other state projects are programmed on SR 77, SR 79, US 60 and US 70. Table 3.1 also summarizes projects from local TIPs and CIPs that were included in the 2030 Base network.

Figure 3-2 Year 2030 Base Roadway Network

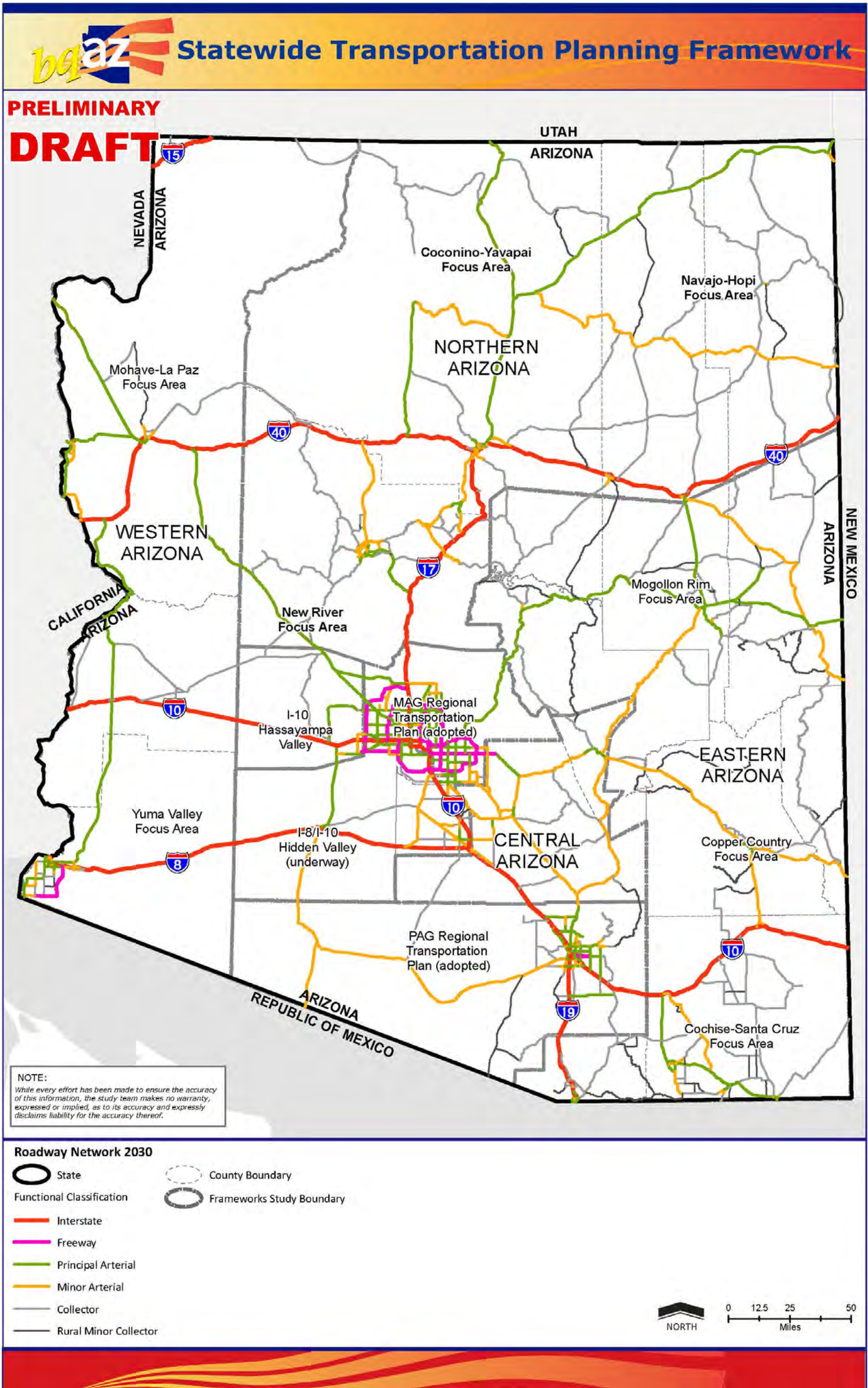


Table 3.1 Programmed Short-Term Roadway Improvements

Project	Location	Type of Work	Year	Total Cost (\$000)
I-10	Junction I-8 to Picacho Peak interchange	Widen roadway	2010	\$126,000
SR 77	Milepost (MP) 145-MP 147	Roadway construction	2008	\$11,000
SR 79	MP 136.27	Install concrete railroad crossing surface	2008	\$150
US 60	County Line-Pinto Valley (MP 236-240)	Asphaltic Rubberized Friction Course and passing lane	2008	\$7,131
US 60	Pinto Valley bridge-mine turnoff	Design passing lane	2008	\$300
US 60	Boyce Thompson State Park	Construct road	2009	\$1,400
US 60	Oak Flat-Devil's Canyon	Construct passing/climbing lane	2009	\$6,250
US 60	Silver King section	Reconstruct roadway	2011	\$15,000
US 70	Railroad overpass to junction SR 77	Design (roadway and railroad structure)	2008	\$340
US 70	Railroad overpass to junction SR 77	Construct new roadway & railroad structure	2011	\$4,250
Box culvert	Palm Wash	Construction	2009	\$400
Pinal Avenue / Main St. commercial traffic bypass	Casa Grande	Construct bypass road	2008-2012	\$1,000
Attaway Rd	Kleck Rd to SR 87	Road improvements	2008-2011	\$6,940
Curry Rd	Pivotal to SR 87	Alignment	2007-2008	\$2,225
Eleven Mile Corner Rd	Kleck Rd to Bartlett Rd	Road improvements	2006-2010	\$2,740

Table 3.1 Programmed Short-Term Roadway Improvements (cont.)

Project	Location	Type of Work	Year	Total Cost (\$000)
Kenworth Rd	Not available (N/A)	Reconstruction	2006-2008	\$575
Macrae Rd	Martin Rd to SR 87	Road improvements	2007-2010	\$8,580
Martin Rd	Arizona Blvd to Picacho St	Reconstruction	2008	\$340
Martin Rd	Arizona Blvd to Picacho St	Design	2008	\$60
Martin Rd	Arizona Blvd to 9 th St	Reconstruction	2009	\$273
Signal Peak Rd	Val Vista Rd to Randolph Rd	Roadway improvement	2006-2008	\$4,120
Skousen Rd	Bartlett Rd to SR 87	Road improvements	2006-2010	\$5,380
Skousen Rd & Martin Rd	Skousen Rd & Martin Rd	Traffic signal	2008	\$200
Woodruff Rd	Macrae Rd to Overfield Rd	Roadway improvement	2009-2011	\$6,340
Adamsville Rd ³ / ₄ mile extension to Plant Road	N/A	Street extension	2012-2013	\$225
Diversion Dam Rd improvements	N/A	Roadway improvement	2008-2009	\$430
Felix Rd Improvements	N/A	Roadway improvement	2012-2013	\$1,320
Kelvin Hwy bridge replacement	N/A	Bridge replacement	2008-2011	\$1,364
Main St Extension Phase I	N/A	Street extension	2010-2012	\$650
Main St Extension Phases I-III	N/A	Street extension	2008-2016	\$4,280
Plant Rd paving	N/A	Pavement	2008	\$300
Signalization for streets	N/A	Signalization	2009-2014	\$2,250
SR 287 & 79B	SR 287 & 79B	Reconstruction	2009	\$625
SR 287 & 79B	SR 287 & 79B	Roundabout/intersection improvement	2008-2010	\$1,900

Table 3.1 Programmed Short-Term Roadway Improvements (cont.)

Project	Location	Type of Work	Year	Total Cost (\$000)
Street improvement Phase I- Florence	N/A	Street improvement	2008-2010	\$740
Street improvement Phases II-V, Florence Gardens	N/A	Street improvement	2008-2013	\$2,163
Broadway/Old Oak Rd	US 60 to Broadway and Broadway from El Camino east end	Reconstruction	2010	\$575
Ice House Canyon Rd	Jess Hayes Rd to Kellner Canyon Rd	Reconstruction	2008	\$625
Broad St Phase III	N/A	Reconstruction	2012	\$500
Gateway Enhancement Phase II	US 60/70 & Oak/Hill Streets	Intersection improvements	2008	\$260
Forest Ave	to US 60	Reconstruction	2011	\$214
Hunt Highway	Attaway Rd	Reconstruction	2009	\$456
Sunland Gin Rd	Alsdorf Road to Battaglia Dr	Reconstruction	2011	\$400
Combs Rd	Meridian Rd to Ironwood Rd	Reconstruction	2012	\$470
Sossaman Rd	South of Hunt Hwy	Construction	2010	\$450
Jesse Hayes Rd	Jesse Hayes Rd	Alignment/widening	2008	\$625
SR 77 multi-use pathway and landscaping	MP 114.5 to Old SR 77	Multi-use pathway and landscaping	2008	\$459

Sources: Arizona State Transportation Improvement Program (STIP), Fiscal Years 2008-2011, Central Arizona Association of Governments Transportation Improvement Program, local capital improvement programs

3.3 POPULATION AND EMPLOYMENT DATA AND PROJECTIONS BY COUNTY

Working closely with the ADOT management consultant, the Central study team compiled population and employment estimates from the following sources:

- Pinal County Regionally Significant Routes Travel Demand Model, 2007
- Gila County Small Area Transportation Study, 2006
- Labor Force and Non-farm Employment 2005 (Prepared in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics, by State of Arizona, Department of Commerce, Research Administration)