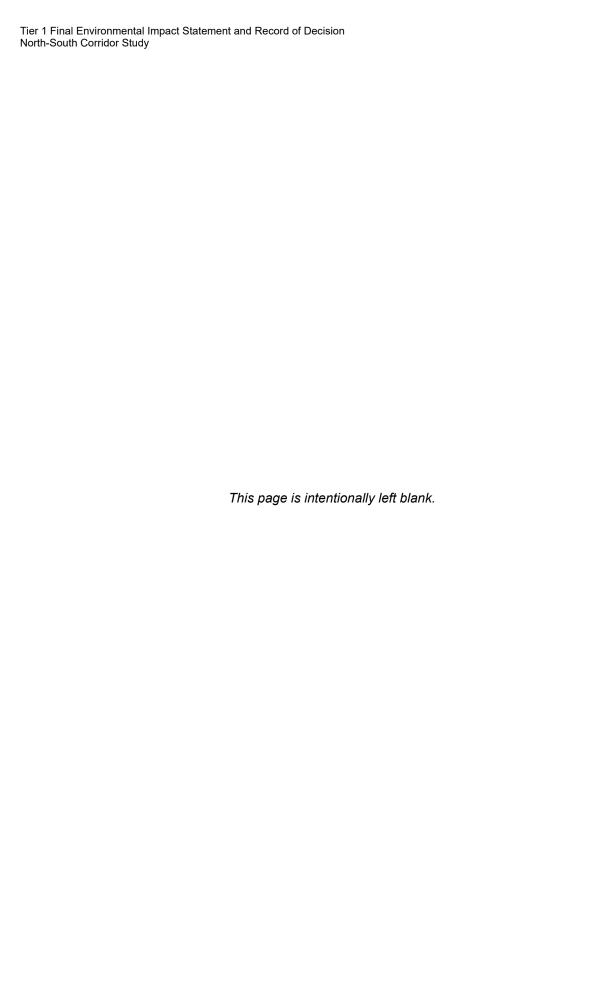
Appendix E. Social Conditions Information



Demographic Data Analysis Methodology

For the demographic analysis, the action corridor alternatives (by segment) were defined by all census block groups adjacent to or within 0.5 mile. Block groups that overlap multiple segments were assigned to only one segment, based on block group area size and existing population concentrations. Depending on their proximity to the action corridor alternatives within each segment, block groups may be considered for more than one action corridor alternative within the segment.

In some instances, census block group boundaries matched those of the segments, and in other cases did not. To determine which segment individual block groups should be assigned to, a geographic information system analysis allocated census block groups to the segments in which 50 percent or more of their land area was located. For those census block groups in more than one segment, additional review was performed to determine whether and where populated areas were located. If a census block group had more than 50 percent of its area in one segment with little to no population, but it had a larger population in another segment, the census block group was assigned to the segment with a smaller land area but greater population. Segment 2 includes portions of multiple block groups, which were assigned to other segments according to the criteria outlined above. Therefore, no block groups were analyzed for Segment 2.

Census block groups included in the study area are presented by segment and action corridor alternative in Table E-1 and Figure E-1. Information presented in this document is a sum of all census block groups by segment and action corridor alternative.

Table E-1. Census block groups in the action corridor alternatives, by segment

Census tract	Block group	Location in study area										
Segment 1												
		E1a E1b		W1a	W1b							
2.04	1	X	X	X	X							
	2	X	X	X	X							
2.07	1	X	X	X	X							
	2			X	X							
	3	X		X	X							
2.08	1	X	X	X	X							
	2	X	X									
2.12	2	X	X	X	X							
3.15	3	X	X		X							
3.16	1	X	X		X							
3.17	1			X								
	2			X								
3.18	1			X								
	2	X	X		X							
	3	X	X		X							
3.19	1	X	X	X	X							

Table E-1. Census block groups in the action corridor alternatives, by segment

Census tract	Block group	Location in study area										
Segment 2												
		E2a	E2b	E2b		W2a		W2b				
2.08ª	1	X X			Х		Х					
2.12ª	2		X		X							
8.01 ^a	3	X	Х		X		X					
8.01 ^a	4		Х		X		X					
Segment 3												
		E3a	E3b	E3c		E3d		W3				
8.01	1							X				
	2		Χ			X		Χ				
	3	X	Χ	X	(X						
	4							Χ				
8.02	1	X	Х	×	(X						
9.01	1	Х		X								
9.02	1	X	Χ	X		X						
10	2	X	Χ	X		X		X				
23	1	Х		X	(
Segment 4												
		E4			W4							
12	2	X			X							
19	2				X							
20.02	1				×							
	2				X							
20.03	2				Х							
21.02	2				X							
21.03	3	X										

^a Segment 2 includes portions of multiple block groups, which have been assigned to other segments according to the criteria outlined above.

Figures E-2 through E-6 show minority populations in the study area.

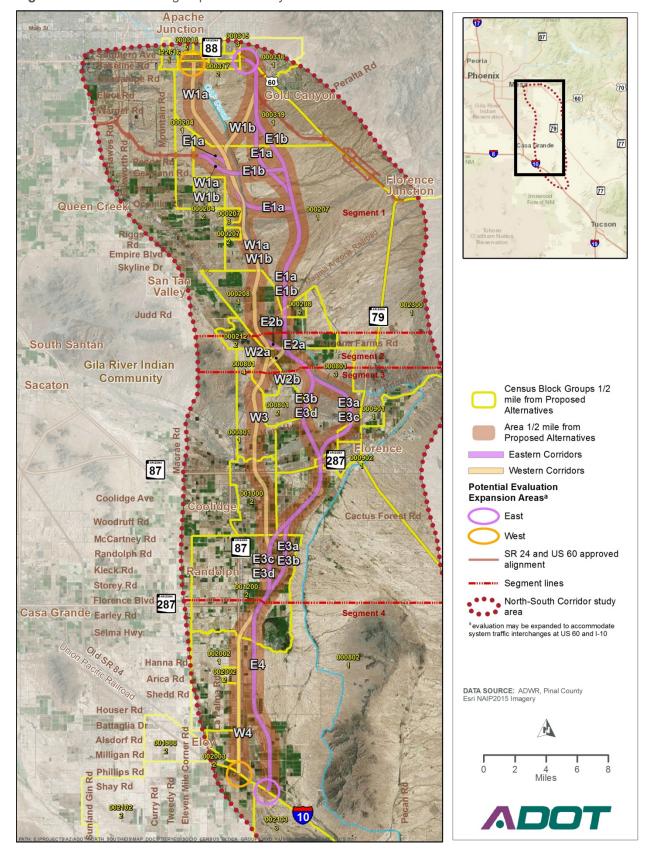


Figure E-1. Census block groups in the study area

University Ave Apache Junction Broadway Rd 87 Southern Ave Baseline Rd Gold Canyon Phoenix Guadalupe Rd 70 Elliot Rd 202 Warner Rd 2 W1b 79 E1b 77 Williams Field Rd E1a Pecos Rd Germann Rd Florence Junction Pima Rd W1b 77 Queen Creek Ocotillo Rd E1a Chandler Heights Rd Tucson Riggs Rd Empire Blvd San Tan Valley W1b 79 E1a E1b Gila River Indian Community E2a **Hispanic or Latino Population** Sacaton Greater than region of comparison percentage of Florence Census Block Groups Eastern Corridors 287 Western Corridors **Potential Evaluation** Vah Ki Inn Rd Coolidge Expansion Areasa Coolidge Rd East 87 Wooddruff Rd West McCartney Rd E3a E3b SR 24 and US 60 approved Randolpf Rd alignment Kleck Rd 10 Segment lines Story Rd Segment 3 North-South Corridor study Florence Blvc 287 Segment 4 area ^a evaluation may be expanded to accommodate system traffic interchanges at US 60 and I-10 Selma Hwy Union Pacific Railroad DATA SOURCE: ADWR, Pinal County, Esri World Elevation/Terrain, U.S. Census Bureau American Community Survey Five-year Estimates 2011-2015, Table B03002: Hispanic or Latino Origin by Race Old SR 84 Eloy w Battaglia Dr **Arizona City** Picacho Gin B Harmon Rd 10

Figure E-2. Hispanic or Latino populations in the study area

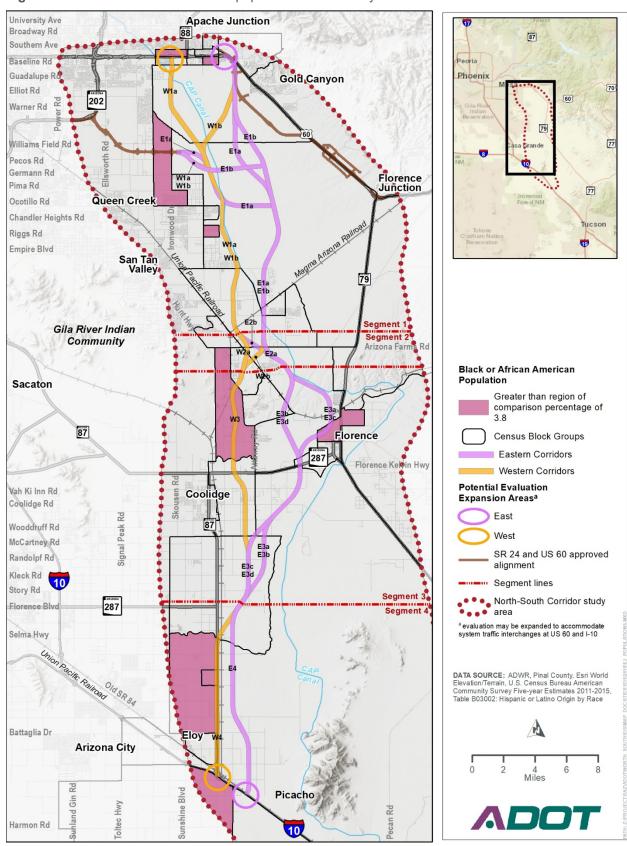


Figure E-3. Black or African American populations in the study area

University Ave Apache Junction Broadway Rd 87 Southern Ave Baseline Rd Gold Canyon Phoenix Guadalupe Rd 70 Elliot Rd 202 Warner Rd 2 W1b 79 E1b 77 Williams Field Rd Pecos Rd Germann Rd Florence Junction Pima Rd W1b 77 Queen Creek Ocotillo Rd E1a Chandler Heights Rd Tucson Riggs Rd Empire Blvd San Tan Valley W1b E1a E1b Gila River Indian Segment 2 Community E2a American Indian or Alaskan **Native Population** Sacaton Greater than region of comparison percentage of Florence Census Block Groups Eastern Corridors 287 Western Corridors Potential Evaluation Vah Ki Inn Rd Coolidge Expansion Areasa Coolidge Rd East 87 Wooddruff Rd West McCartney Rd E3a E3b SR 24 and US 60 approved Randolpf Rd alignment Kleck Rd 10 Segment lines Story Rd Segment 3 North-South Corridor study Florence Blvc 287 Segment 4 area ^a evaluation may be expanded to accommodate system traffic interchanges at US 60 and I-10 Selma Hwy Union Pacific Railroad DATA SOURCE: ADWR, Pinal County, Esri World Elevation/Terrain, U.S. Census Bureau American Community Survey Five-year Estimates 2011-2015, Table B03002: Hispanic or Latino Origin by Race Old SR 84 Battaglia Dr Eloy **Arizona City** Picacho Gin B Harmon Rd 10,

Figure E-4. American Indian or Alaska Native populations in the study area

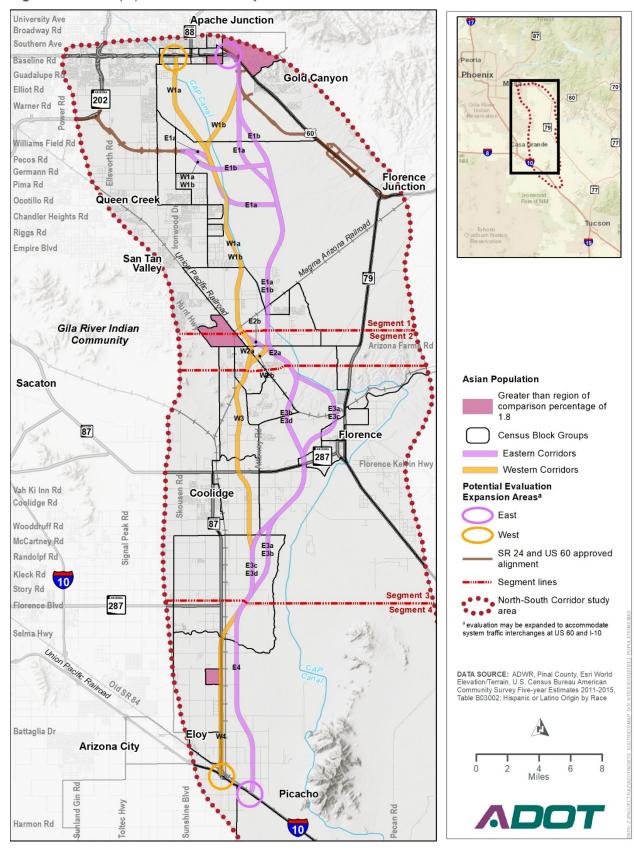


Figure E-5. Asian populations in the study area

University Ave Apache Junction Broadway Rd 87 Southern Ave Baseline Rd Gold Canyon Phoenix Guadalupe Rd 70 Elliot Rd 202 Warner Rd 2 W1b 79 77 Williams Field Rd Pecos Rd Germann Rd Florence Junction Pima Rd 77 Queen Creek Ocotillo Rd E1a Chandler Heights Rd Tucson Riggs Rd Empire Blvd San Tan Valley W1b E1a E1b E2b Gila River Indian Community E2a Other Population Sacaton Greater than region of comparison percentage of Florence Census Block Groups Eastern Corridors 287 Florence K Western Corridors **Potential Evaluation** Vah Ki Inn Rd Coolidge Expansion Areasa Coolidge Rd East 87 Wooddruff Rd West McCartney Rd E3a E3b SR 24 and US 60 approved Randolpf Rd alignment Kleck Rd 10 Segment lines Story Rd Segment 3 North-South Corridor study 287 Florence Blvc Segment 4 area ^a evaluation may be expanded to accommodat system traffic interchanges at US 60 and I-10 Selma Hwy Union Pacific Railroad DATA SOURCE: ADWR, Pinal County, Esri World Elevation/Terrain, U.S. Census Bureau American Community Survey Five-year Estimates 2011-2015, Table B03002: Hispanic or Latino Origin by Race Old SR 84 Battaglia Dr **Arizona City** Picacho Gin B Harmon Rd 10

Figure E-6. Other minority populations in the study area