



APACHE JUNCTION TRANSIT FEASIBILITY STUDY UPDATE

February 17, 2011

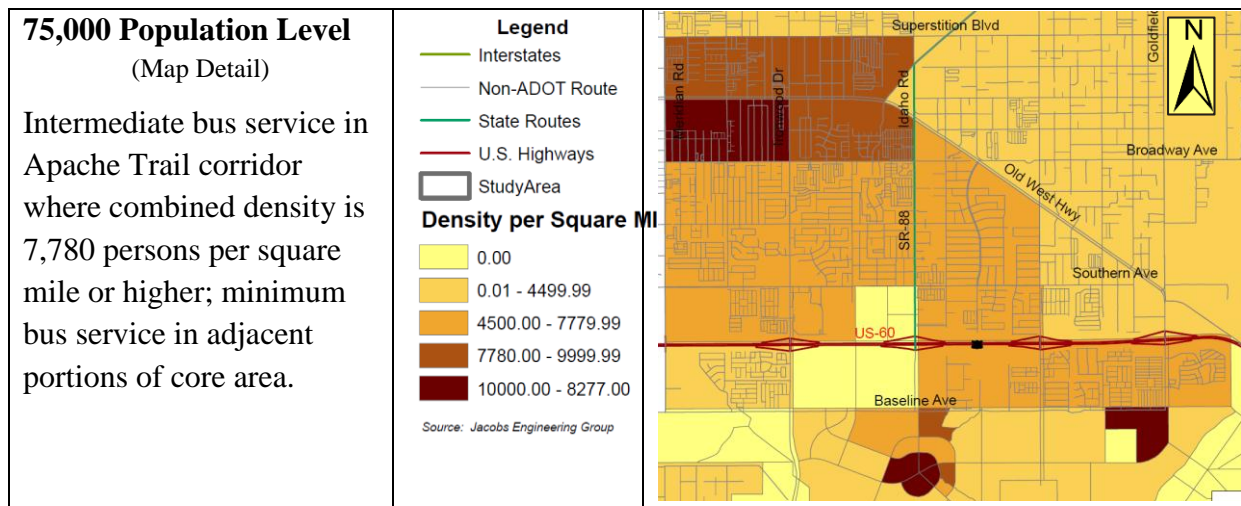
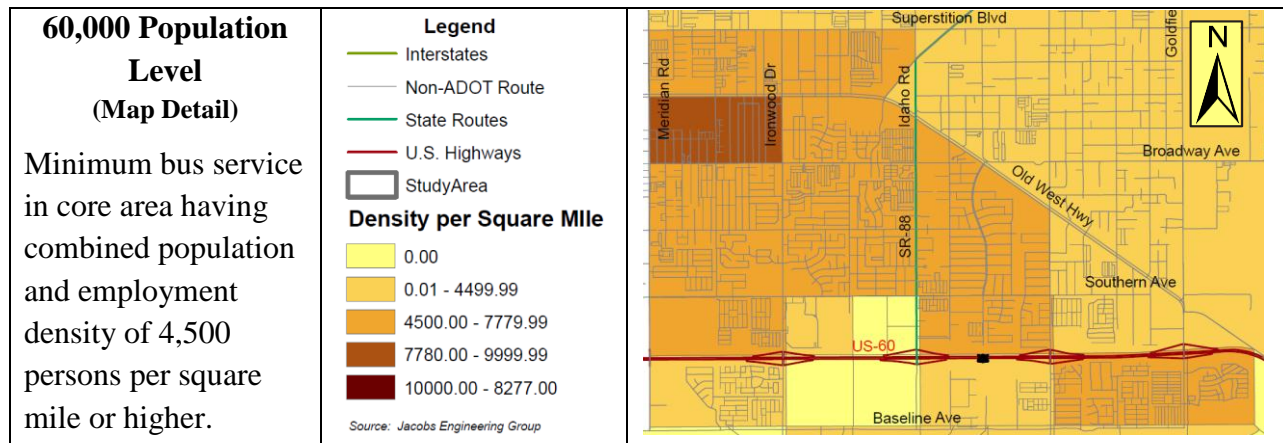


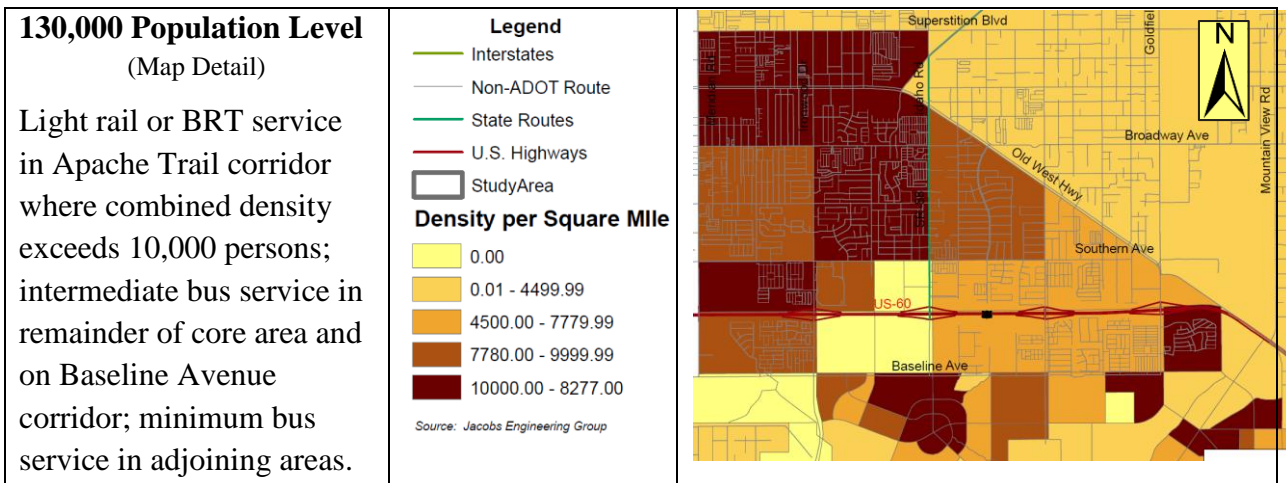
SUMMARY OF FUTURE CONDITIONS

Minimum Consolidated Residential And Employment Densities For Various Types Of Transit Services

Transit Service Type	Description	Persons/Sq Mile*
Bus–minimum service	1/2 mi between routes, 20 buses/day	4,500
Bus–intermediate service	1/2 mi between routes, 40 buses/day	7,780
Bus–frequent service	1/2 mi between routes, 120 buses/day	16,670
Light rail	15 – 30 min. peak period headways	10,000

* Calculated from Maricopa Association of Governments *High Capacity Transit Study*, 2003





ESTIMATED ANNUAL TRANSIT TRIPS FOR THE POPULATION LEVELS

Metric	Population Level		
	60,000	75,000	130,000
Population over 65 Years of Age**	15,829	19,786	34,295
Population of Zero Car Households**	8,351	10,439	18,094
Mobility Limited Population Aged 16 through 64**	7,856	9,820	17,021
Low-income Population Under 65 Years of Age**	5,274	6,592	11,427
Burkhardt and Millar Model			
Population over 65 Years of Age	15,829	19,786	34,295
Multiplied by 12 equals	189,942	237,428	411,542
Added to			
Population of Zero Car Households	8,351	10,439	18,094
Multiplied by 19	158,671	198,339	343,787
Totals	348,613	435,767	755,329
Divided by .8 Equals Unlinked Passenger Trips per Year	435,767	544,709	944,161
SG & Associates Arkansas Model			
Population over 65 Years of Age	15,829	19,786	34,295
Multiplied by 8.4	132,960	166,200	288,079
Added to			
Mobility Limited Population Aged 16 through 64	7,856	9,820	17,021
Multiplied by 30	235,674	294,592	510,626
Added to			
Low-income Population Under 65 Years of Age	5,274	6,592	11,427
Multiplied by 14.5	76,470	95,587	165,684
Totals Unlinked Passenger Trips per Year	445,103	556,379	964,390

** Assumes Year 2000 percentages of sub-populations
Source: R. H. Bohannon & Associates