

Table C-1
Summary of Generalized Annual Average Daily Volumes for the
Phoenix Urban Area
I-10/Hassamyampa Valley Roadway Framework Study

FREEWAY					
Interchange Spacing Less Than Two Miles					
Number of Through Lanes*	Level of Service				
	A	B	C	D	E
6	43,200	70,000	101,300	131,200	149,100
8	58,900	95,500	138,100	178,900	203,200
10	74,700	120,900	175,100	226,400	257,500
12	90,400	146,400	211,900	274,100	311,500
EXPRESSWAY					
Number of Through Lanes	Level of Service				
	A	B	C	D	E
4	25,900	41,900	60,500	78,300	88,900
6	38,700	62,700	90,700	117,500	133,500
PRINCIPAL ARTERIAL					
Number of Through Lanes	Level of Service				
	A	B	C	D	E
4	**	5,200	32,900	41,500	43,600
6	**	8,300	51,100	62,400	65,600
MINOR ARTERIAL					
Number of Through Lanes	Level of Service				
	A	B	C	D	E
4	**	5,200	32,900	41,500	43,600
COLLECTOR					
Number of Through Lanes	Level of Service				
	A	B	C	D	E
2	**	**	6,000	12,700	16,000

Bold Type indicates the planning level threshold standard for maximum acceptable daily volume by facility type.

* Excludes auxiliary lanes.

** Cannot be achieved using table input value defaults.

Note: This table does not constitute a standard and should be used for general planning applications, only. The computer models from which this table is derived should be used for more specific planning applications. The table and deriving computer models should not be used for corridor design, where more refined techniques exist. Values are shown for two-way annual average daily volumes (based on K_{100} factors) for levels of service and are for automobile/truck modes. Calculations are based upon planning applications of the Highway Capacity Manual, Transportation Research Board, Washington DC, 2000.

Source: Maricopa Association of Governments (MAG) and Wilson & Company (December 13, 2006). Modified version of Table 4-1 (Urbanized Areas), Quality/Level of Service Handbook, Florida Department of Transportation, 2002. Modifications were made to reflect a lower K factor (0.075 vs 0.095) that is predominant in the Phoenix area.