

Table 2-12: LOS/Capacity Lookup Table

Roadway	Functional Code ¹	Speed Limit	Two Way # of Lanes	Capacity LOS A	Capacity LOS B	Capacity LOS C	Capacity LOS D	Capacity LOS E
Rural Principal Arterial	2	45 MPH	5 lanes	15,200	24,400	35,300	46,700	54,300
Rural Minor Arterial ³	6	35 MPH	3 lanes ²	-	3,100	7,600	12,200	22,200
	6	35 MPH	5 lanes ²	13,400	22,200	32,000	42,300	51,600
	6	45 MPH	5 lanes ²	15,200	24,400	35,300	46,700	54,300
	6	50 MPH	2 lanes	2,000	4,200	6,900	11,000	17,700
	6	55 MPH	2 lanes	2,000	4,200	6,900	11,000	17,700
	6	55 MPH	4 lane divided	15,200	24,800	35,400	45,500	50,500
	6	55 MPH	5 lanes ²	18,000	29,400	42,000	54,000	60,000
	6	65 MPH	2 lanes	2,000	4,200	6,900	11,000	17,700
	6	65 MPH	3 lanes ²	2,500	5,200	8,600	13,700	22,200
	6	65 MPH	4 lane divided	17,900	29,400	39,900	47,300	52,600
6	65 MPH	5 lanes ²	21,200	35,000	47,500	56,200	62,400	
Rural Major Collector	7	25 MPH	2 lanes	-	3,100	7,700	10,500	13,200
	7	35 MPH	2 lanes	-	3,100	7,700	10,500	13,200
	7	45 MPH	2 lanes	2,300	5,900	9,700	13,100	16,500
	7	50 MPH	2 lanes	2,300	6,400	10,700	14,400	18,100
	7	55 MPH	2 lanes	2,300	7,000	11,600	15,700	19,800
	7	55 MPH	3 lanes ²	2,900	8,800	14,500	19,700	24,700
	7	65 MPH ³	2 lanes	2,200	4,700	7,800	12,400	20,000
Rural Minor Collector	8	25 MPH	2 lanes	-	2,000	4,900	6,700	8,500
	8	35 MPH	2 lanes	-	2,000	4,900	6,700	8,500
	8	45 MPH ³	2 lanes	-	1,800	4,400	7,000	12,900
	8	55 MPH ³	2 lanes	1,400	3,000	5,000	8,000	12,900
	8	65 MPH ³	2 lanes	1,400	3,000	5,000	8,000	12,900
Rural Local Street ³	9	45 MPH	2 lanes	-	2,800	6,900	10,900	19,900
Urban Principal Arterial	14	35 MPH	3 lanes ²	-	1,800	6,900	11,000	14,400
	14	35 MPH	5 lanes ²	13,400	22,200	32,000	42,300	51,600
	14	45 MPH	5 lanes ²	15,200	24,400	35,300	46,700	54,300
	14	55 MPH	5 lanes ²	17,900	29,300	41,800	53,700	59,700
Urban Minor Arterial	16	25 MPH	5 lanes ²	13,400	22,200	32,000	42,300	51,600
	16	35 MPH	2 lanes	-	1,500	5,500	8,800	11,500
	16	35 MPH	3 lanes ²	-	1,800	6,900	11,000	14,400
	16	35 MPH	4 lanes	10,600	17,500	25,200	33,400	40,700
	16	35 MPH	5 lanes ²	13,400	22,200	32,000	42,300	51,600
	16	45 MPH	2 lanes	1,100	3,600	7,900	11,500	14,700
	16	45 MPH	3 lanes ²	1,400	4,500	9,900	14,400	18,400
	16	45 MPH	5 lanes ²	15,200	24,400	35,300	46,700	54,300
16	55 MPH	2 lanes	1,300	5,300	10,100	14,000	17,900	
Urban Collector	17	25 MPH	2 lanes	-	1,800	6,400	10,300	13,500
	17	25 MPH	3 lanes	-	2,200	8,000	12,800	16,900
	17	25 MPH	4 lanes	10,600	17,500	25,200	33,400	40,700
	17	35 MPH	2 lanes	-	1,800	6,400	10,300	13,600
	17	35 MPH	3 lanes ²	-	2,200	8,100	12,900	17,000
	17	45 MPH	2 Lanes	1,300	4,200	9,300	13,600	17,400
Urban Local Street	19	25 MPH	2 lanes	-	2,000	6,500	10,600	14,300
	19	35 MPH	2 lanes	-	2,000	6,500	10,600	14,300

Source: AADT based Level of Service Criteria from Highway Capacity Software (HCS+) Version 5.21, HIGHPLAN Module

1. Functional classification code from ADOT HPMS database.
2. A five-lane segment and a three-lane segment include a two-way left-turn lane.
3. Assumptions:
 - i. PHF 0.88 for rural area; 0.9 for urban area.
 - ii. 10% Heavy Vehicle percentage
 - iii. 0.90 Local Adjustment Factor
 - iv. K-factor and D-factor are generalized from ADOT HPMS database