

## Design Criteria Table – 27th Avenue

	Criteria	Standard Design Value	Reference
<b>Traffic Data</b>	Functional Classification	Local/Secondary Street	OS&HP
	Design Vehicle	SU-30	GB 2.1.1
	Design Structural Loading	N/A	N/A
	Design Speed	30 mph	DCM 1.6 D, Table 1-5 & 1-6
<b>Horizontal Alignment</b>	Horizontal Curve Radius, Minimum, No Super-elevation	150 ft	DCM 1.9 E, Table 1-9
	Stopping Sight Distance, Min.	200 ft	DCM 1.9 D, Figure 1-16
	Clear Sight Triangle Length	335 ft	DCM 1.9 D, Figure 1-19
<b>Vertical Alignment</b>	Vertical Curve K-Values, Min: Crest Curve	19	DCM 1.9 D, Figure 1-16
	Sag Curve	37	DCM 1.9 D, Figure 1-17
<b>Cross Section</b>	Number of Lanes	2	DCM 1.6 D
	Lane Width	10-11 ft	DCM 1.6 D, Table 1-5 & 1-6
	Shoulder Width	3.5 ft	DCM 1.6 D, Table 1-5 & 1-6
	On-Street Parking	Yes	DCM 1.6 D, Table 1-5 & 1-6
	Curb & Gutter	Yes	DCM 1.6 D, Figure 1-13
	Separation Distance	None	DCM 4.2 H
	Sidewalk/Path Width	5 ft	DCM 1.6 D, Figure 1-13
	Side Slopes	2:1 (h:v) maximum	DCM 1.9 D
<b>Miscellaneous</b>	Clear Zone	1.5 ft past curb face	DCM 1.9 E.5
	Driveway Width	14 - 34 ft	DCM, Appendix 1D
<b>Lighting</b>	Maximum driveway grade	±8-10%	DCM, Appendix 1D
	Lighting Design Method	Illuminance	DCM 5.4 B
	Pedestrian Conflict Areas	High	DCM 5.4 B

OS&HP = Official Streets and Highways Plan 1996 (Amended 2005)

GB = American Association of State Highway and Transportation Officials Geometric Design of Highways and Streets 2011 (“Green Book”)

DCM = Municipality of Anchorage’s Design Criteria Manual