

**TABLE 1.1 – STREET DESIGN STANDARDS**

(#) Indicates applicable note.

	ARTERIAL		COLLECTOR			LOCAL	
	Major (1)	Minor (1)	MAJOR		MINOR	Commercial & Industrial (1)	Residential (1)
			Commercial & Industrial	Residential	Residential		
Design Speed (2)	50 MPH	45 MPH	50 MPH	45 MPH	35 MPH	35 MPH	35 MPH
Right of Way Width-Minimum (3)	100 Ft	80 Ft	60	60	60	60	50
Number of Lanes (7)	3	3	2	2	2	2	2
Traffic Lane Width	12	12	12	12	11	12	11
Minimum Horizontal Curve Radius (4)(8)	1200 Ft	1200 Ft	1,039 Ft	1,039 Ft	510 Ft	510 Ft	510 Ft
Maximum Grade	6%	6%	7%	7%	7%	7%	10%
Minimum Sight Distance (5)	475 Ft	400 Ft	475 Ft	400 Ft	250 Ft	250 Ft	250 Ft
“K” Value for Crest Vertical Curve (6)	84	61	84	61	29	29	29
“K” Value for Sag Vertical Curve (6)	96	79	96	79	49	49	49

**NOTES:**

- (1) See standard drawing details for sidewalk locations, curb types, inlets and alley requirements.
- (2) The City’s minimum design speed is 35 MPH. If design variations are anticipated, design engineers shall coordinate with City Engineering Department prior to submittal of Preliminary Plat to Planning Commission.
- (3) Where fill or cut slopes, utilities, roadway features, or other highway development must be included, additional right-of-way may be required.
- (4) Where a deflection angle of more than 10° in the alignment of a street occurs, a long radius curve shall be introduced. For multi-lane facilities, the centerline is to be considered as the centerline for each direction of traffic.
- (5) Minimum sight distance is based on the stopping site distance. For a horizontal curve, this is to be measured along the centerline of the inside lane around the curve with the site line being chord of curve.
- (6) “K” values are the coefficients by which the algebraic difference in grades shall be multiplied by to determine the minimum length in feet for the specific vertical curve ( $L=KA$ ).
- (7) Minimum values - subject to a traffic impact study. A traffic study may require additional lanes.
- (8) This distance is the minimum centerline radius with no superelevation.
- (9) Variations from the above criteria shall be made at the sole discretion of the City Engineering Department when warranted based upon review and approval of engineering evidence/criteria presented to the Engineering Department by a registered engineer.