

TABLE 1.1 - STREET DESIGN STANDARDS a, b

	ARTERIAL		COLLECTOR				LOCAL	
	MAJOR	MINOR	MAJOR		MINOR	COMMERCIAL & INDUSTRIAL		RESIDENTIAL
DESIGN SPEED/ POSTED SPEED (MPH)	50/45 MPH	45/40 MPH	COMMERCIAL & INDUSTRIAL		RESIDENTIAL	COMMERCIAL & INDUSTRIAL		RESIDENTIAL
RIGHT-OF-WAY WIDTH	130 Ft.	115 Ft.	115 Ft.		60 Ft.	60 Ft.		50 Ft.
NUMBER OF LANES	4-Lane Divided	4-Lane Divided	4-Lane Divided		2-Lane	2-Lane		2-Lane
TRAFFIC LANE WIDTH	12 Ft.	12 Ft.	12 Ft.		12 Ft.	12 Ft.		11 Ft.
MINIMUM HORIZONTAL CURVE RADIUS WITH NO SUPER-ELEVATION	1389 Ft.	1039 Ft.	762 Ft.		510 Ft.	333 Ft.		333 Ft.
MAXIMUM GRADE	6%	7%	8%		10%	8%		14%
STOPPING SIGHT DISTANCE	425 Ft.	360 Ft.	305 Ft.		250 Ft.	200 Ft.		200 Ft.
"K" VALUE FOR CREST VERTICAL CURVE	84	61	44		29	19		19
"K" VALUE FOR SAG VERTICAL CURVE	96	79	64		49	37		37

- a See standard drawing details for sidewalk locations, curb types, inlets and alley requirements.
- b These dimensions may be increased or amended by the City Engineer as deemed necessary for safe and efficient street operation.
- c Where fill or cut slopes or any other highway development must be included, additional Right-of-Way may be required.
- d Minimum grade on any street shall be 1.00%.
- e Maximum grade may be increased by the City Engineer if justified by existing conditions and assurance that the ease of access for emergency and service vehicles is received by appropriate City Staff.



CITY OF
COLUMBIA
TENNESSEE

STREET DESIGN STANDARDS

(NTS)

DATE
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DWG. NO.

SD-16