

EXHIBIT 5-1 STREET DESIGN STANDARDS

	COLLECTORS			LOCAL						FRONTAGE	ALLEY
	ARTERIAL	MAJOR	MINOR	RESIDENTIAL		COMMERCIAL		INDUSTRIAL			
				THROUGH	CUL-DE-SAC	THROUGH	CUL-DE-SAC	THROUGH	CUL-DE-SAC		
Volume Range (Vehicle Trips/Day)	>10,000	4,500 TO 10,000	1,000 TO 4,500	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	N/A	N/A
Right-Of-Way Width (Min. Feet)	100 ^{NOTE 1}	80 ^{NOTE 1}	60	50	50	60	60	60	60	40	16 ^{NOTE 1}
Number of Lanes (Minimum)	5 ^{NOTE 2}	3 ^{NOTE 2}	2	2	2	2	2	2	2	2	1
Lane Width (Min. Feet)	12	12	12	12	RS1A, 1B, RS1C=12 RS1D, RM2, RM3, 4=15	15	15	15	15	12	12
Superelevation (Max. Percent)	8	6	6	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN	NORMAL CROWN
Grade (Max. Percent)	5	8	8	10	10	8	8	8	8	8	6
Grade (Min. Percent) ^{NOTE 3}	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
Stopping Sight Distance (Min. Feet)	400	300	300	250	250	250	250	250	250	200	N/A
Radius of Horizontal Curves (Min. Feet)	770	530	300	280	280	300	300	300	300	200	200
Length of Vertical Curves (Min. Feet) ^{NOTE 4}	160 K=160	130 K=60	100 K=40	100 K=30	100 K=30	100 K=40	100 K=40	100 K=40	100 K=40	100 K=30	100 K=30
Shoulder Width (Min. Feet)	N/A	N/A	N/A	2 ^{NOTE 5}	2 ^{NOTE 5}	N/A	N/A	N/A	N/A	2 ^{NOTE 5}	2
Sidewalks ^{NOTE 6}	4 feet wide BOTH sides	4 feet wide BOTH sides	4 feet wide BOTH sides	RS1A, 1B, RS1C, 1D, RM2, 3, 4 4 feet wide on ONE side	RS1A, 1B, RS1C, 1D, RM2, 3, 4 4 feet wide on ONE side	4 feet wide on BOTH sides within Bowling Green. As necessary to provide connectivity in Warren County	4 feet wide on ONE side within Bowling Green. As necessary to provide connectivity in Warren County	4 feet wide on BOTH sides within Bowling Green. As necessary to provide connectivity in Warren County	4 feet wide on ONE side within Bowling Green. As necessary to provide connectivity in Warren County	Not Required	Not Required
Curb/Gutter Required? ^{NOTE 6}	Required	Required	Required	RS and RM districts only	RS and RM districts only	Required	Required	Required	Required	Not Required	Not Required
Interior (Corner) Radius of Pavement (Min. Feet)	50	50	50	25	25	50	50	50	50	25	25
Design Speed (mph)	50	40	30	30	30	30	30	30	30	N/A	N/A
Intersection Spacing (Min. Feet)	660	500	500	150	150	150	150	150	150	200	100
Intersection Spacing (Max. Feet)	N/A	N/A	N/A	1400	1300	N/A	600	N/A	600	N/A	N/A
Intersection Approach Tangent (Min. Feet)	300	200	200	100	100	100	100	100	100	---	---
Length of Tangent between Reverse Curves (Min. Feet)	240	175	150	130	130	150	150	150	150	100	100

^{Note 1} Medians and/or Shoulders and Ditches may increase needed Right-Of-Way width.

^{Note 2} Two Way Left Turn Lanes may be replaced with Medians and Dedicated Turn Lanes.

^{Note 3} Min. grades for Roadways with Curb & Gutter. If Roadways with Shoulders and Ditches are permitted, the min. grade may be 0.0% provided that min. required ditch Slopes are maintained.

^{Note 4} Not less than K for each algebraic difference in Grade.

^{Note 5} Six (6) foot shoulders required without sidewalks.

^{Note 6} See Zoning Ordinance for definition of zoning districts.