

Design Element				Manual Section	Design Criteria			
					Group 1	Group 2	Group 3	Group 4
Design Controls	Design Forecast Year (1)			9.6.2	20 years	20 years	20 years	20 years
	*Design Speed			9.5.2	(2a)	20 – 50 mph	30 – 50 mph	35 - 60 mph
	Access Control			9.8	Controlled by Regulation	Controlled by Regulation	Controlled by Regulation	Controlled by Regulation
	Level of Service			9.6.4	N/A	N/A	N/A	N/A
Cross Section Elements	*Travel Lane Width			13.2.3	Min: 9’	Des.: 10’ Min.: 9’	Des.: 11’ Min.: 10’	11’
	*Shoulder Width (3)			13.2.4	4’ or C/G	Des.: 6’ Min.: 4’ or C/G	Des.: 6’ Min.: 4’ or C/G	6’ or C/G
	Auxiliary Lanes	Lane Width		13.2.5	N/A	N/A	N/A	Min. 11’ (4)
		Shoulder Width			N/A	N/A	N/A	6’ or C/G
	Cross Slope	*Travel Lane		13.2.3.3	2.08%	2.08%	2.08%	2.08%
		Auxiliary Lane		13.2.5	N/A	N/A	N/A	2.08%
		*Shoulder		13.2.4.3	8.33%	8.33%	8.33%	8.33%
	Bicycle	Lane Width (5)		13.2.3	4’	4’	4’	4’
		Shared Roadway Width			N/A	N/A	N/A	14’ Outside Travel Lane
	Curb & Gutter (Urban)	Type		21.2.9	Vertical or Sloping			
		Width			2’			
	Sidewalk Width			21.2.10	5’	5’	5’	5’
	Median Width	TWLTL		21.2.6	N/A	N/A	N/A	15’
Roadway Elements	Side Slopes	Cut Section	Foreslope	13.3.1	6H:1V to 4H:1V	6H:1V to 4H:1V	6H:1V to 4H:1V	6H:1V to 4H:1V
			Ditch Type		V Ditch	V Ditch	V Ditch	V Ditch
			Back Slope		2H:1V	2H:1V	2H:1V	2H:1V
		Fill Section			6H:1V to 2H:1V	6H:1V to 2H:1V	6H:1V to 2H:1V	6H:1V to 2H:1V
	Median Slopes	TWLTL		21.2.7	N/A	N/A	N/A	2.08%
	Clear Zone			14.3	(6a)	(6a)	(6a)	(6b)

\*Controlling design criteria (see Section 9.2).

Design Criteria for “Secondary” and State “C” Roads (New Construction/Reconstruction)  
Figure 22.3A (SCHDM 2003)