

Excerpts from the Road Adequacy & Access Technical Guidance

Road adequacy standards must be met to ensure an adequate roadway network to support the increased demands on a system created by new development.

Street Requirements

Cross-Sections

Roadway cross sections shall be consistent with the approved Master Thoroughfare Plan and include the following elements:

Table 1. Street Design Standards

Street Classification	Parkway	Major Arterial	Arterial – Rural	Arterial – Urban	Major Collector	Downtown Approach	Collector	Local/ Residential
Typical ADT	-	-	-	-	-	-	<3,000	<1,000
Right-of-way (min)	180'	120'	120'	90'	80'	70'	60'	50'
Curb & Gutter	2'	2'	2'	2'	2'	2'	2'	2'
Pavement Width (min)	76'	72'	70'	58'	58'	38'	36'	30'
Median (min)	20'	20'	-	16'	-	-	-	-
Shoulder (min)	3'	-	-	-	-	-	-	-
5' Sidewalk Required (min)***	<u>12'/12'Yes**</u>	<u>12'/5'Yes</u>	<u>5'/5'Yes</u>	<u>5'/5'Yes</u>	<u>5'/5'Yes</u>	<u>5'/5'Yes</u>	<u>10'/5'Yes</u>	<u>4'/4'Yes</u>
Minimum Grade	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Maximum Grade	5%	5%	5%	5%	5-8%*	5-8%*	5-8%*	5-10%*
Centerline Radius (min)	1,200'	1,200'	770'	770'	770'	340'	340'	200'
Design Speed	45 mph	45 mph	40 mph	40 mph	40 mph	30 mph	30 mph	25 mph

*5% maximum grade preferred

**Parkways require 12' width trails on both sides of the roadway.

***Trail locations are identified in the adopted Thoroughfare Plan. The 12' trail shall replace the 5' sidewalk.