



# Florida National Scenic Trail Design Parameters

Design Parameters are technical guidelines for the survey, design, construction, maintenance, and assessment of the FNST. Local deviations from any Design Parameter may be established based on trail-specific conditions, topography, or other factors, provided that the deviations are consistent with the general intent of the applicable Trail Class and National Scenic Trail experience.

Designed Use FNST		Trail Class 1	Trail Class 2	Trail Class 3	Trail Class 4	Trail Class 5
<b>Design Tread Width</b>	<b>Wilderness (Single Lane)</b>	0" - 12"	6" - 18"	12" - 24" Exception: may be 36" - 48" at steep side slopes	18" - 24" Exception: may be 36" - 48" at steep side slopes	Not applicable
	<b>Non-Wilderness (Single Lane)</b>	6" - 12"	12" - 24"	18" - 36"	24" - 60"	36" - 72"
	<b>Non-Wilderness (Double Lane)</b>	36" - 48"	36" - 48"	36" - 60"	48" - 72"	72" - 120"
	<b>Structures (Minimum Width)</b>	18"	18"	36"	48"	60"
<b>Design Surface</b>	<b>Type</b>	Native, ungraded May be continuously rough	Native, limited grading May be continuously rough	Native with some on-site borrow or imported material where needed for stabilization, occasional grading Intermittently rough	Native with improved sections of borrow or imported material, routine grading Stable, with minor roughness	Likely imported materials, routine grading Uniform, firm, and stable
	<b>Protrusions</b>	≤ 24" Likely common and continuous	≤ 6" May be common and continuous	≤ 3" May be common, not continuous	≤ 3" Uncommon, not continuous	No protrusions
	<b>Obstacles (Maximum Height)</b>	24"	12"	10"	8"	No obstacles
<b>Design Grade</b>	<b>Target Grade</b>	5% - 20%	5% - 12%	3% - 10%	2% - 8%	2% - 5%
	<b>Short Pitch Max</b>	30%	25%	15%	10%	5% - 8%
	<b>Maximum Pitch Density</b>	20% - 30% of trail	10% - 30% of trail	10% - 20% of trail	5% - 10% of trail	0% - 5% of trail
<b>Design Cross Slope</b>	<b>Target Cross Slope</b>	Natural side slope	5% - 20%	5% - 10%	3% - 7%	2% - 3%
	<b>Maximum Cross Slope</b>	Natural side slope	20%	10%	8%	5%
<b>Design Clearing</b>	<b>Height</b>	6"	6" - 8"	8"	8" - 10"	8" - 10"
	<b>Width</b>	≥ 24" Some vegetation may encroach into clearing area	24" - 48" Some light vegetation may encroach into clearing area	36" - 60"	48" - 72"	72" - 96"
	<b>Shoulder Clearance</b>	3" - 6"	6" - 12"	12" - 18"	12" - 18"	12" - 24"
<b>Design Turn</b>	<b>Radius</b>	2' - 3'	3' - 6'	4' - 8'	8' - 10'	8' - 12'

