

Based upon various design speeds of 12 to 30 mph and a desirable maximum lean angle of 15°, minimum radii of curvature for Paved Shared Use Paths can be selected from Table A-5-7:

Design Speed (V) (mph)	Minimum Radius (feet)
12	36
20	100
25	156
30	225

**TABLE A-5-7  
MINIMUM RADII FOR PAVED SHARED USE PATHS BASED ON 15° LEAN ANGLE**

- Grade

Grades on shared use paths should be kept to a minimum, especially on long inclines. Grades greater than 5 percent are undesirable because the ascents are difficult for many bicyclists to climb and the descents cause some bicyclists to exceed the speeds at which they are competent or comfortable. On some shared use paths, where terrain dictates, designers may need to exceed the 5% grade recommended for bicycles for some short sections. For a general guide maximum grade lengths where the grade must exceed 5% see Table A-5-8.

5 to 6%	For up to 800 feet
7%	For up to 400 feet
8%	For up to 300 feet
9%	For up to 200 feet
10%	For up to 100 feet
11+%	For up to 50 feet

Source: AASHTO – Guide For The Development Of Bicycle Facilities.\*

**TABLE A-5-8  
MAXIMUM GRADE LENGTHS**

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\* Rev. 1/07