

8810.6600 MINIMUM DESIGN STANDARDS.

Subpart 1. **Minimum criteria.** The following standards are minimum criteria which may not be reduced to lesser values and constitute the lowest design limits. The values are not to be used as general design standards, but should generally be exceeded.

Subp. 2. **Vertical clearance.** The vertical clearance between an overhead obstruction and the surface of bicycle or recreational vehicle lanes shall be not less than ten feet (three meters).

Subp. 3. **Lane width.** Bicycle facilities shall have a minimum surfaced width of four feet (1.2 meters) for one-way and six feet (1.8 meters) for two-way travel.

Subp. 4. **Design speed.** The design speed for bicycle facilities shall not be less than ten mph. For downgrades, design speeds may be in the range of 25 mph or greater.

Subp. 5. **Sight distance.** The sight distance to any hazard or potential hazard for a bicycle facility shall be a minimum of 50 feet (15.2 meters).

Subp. 6. **Grades.** Bikeway grades should not exceed five percent except for short distances.

Subp. 7. **Radius of curvature.** The minimum radius of curvature for bikeways is figured by the formula: $R = 1.25 V + 1.5$

R = radius of curvature in feet

V = velocity in miles per hour.

Statutory Authority: *MS s 160.262*

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