**List of Trail Standards:**

**General and Multi-Use Trail Standards:**

* **Trail Planning, Design & Development Guidelines.**2007. MN DNR, Trails & Waterways Div., St.Paul, MN.
* **Trail Construction and Maintenance Notebook - 2007 Edition.** FHWA. <http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/07232806/index.cfm>
* **Trail Fundamentals and Trail Management Objecti**ves. 2011. USFS. <http://www.fs.fed.us/recreation/programs/trail-management/trail-fundamentals/Fundamentals_Trng_Pkg_05_01_2011.pdf>
* **National Park Service, Guide to Sustainable Mountain Trails: Trail Assessment, Planning, and Design Sketchbook**, September 2007. <http://www.nps.gov/dsc/docs/GuideToSustainableMountainTrails_2007.pdf>

**Bicycle and Pedestrian Facilities:**

* **Vermont Pedestrian and Bicycle Facilities.** 2002. VTRANS. <http://vtransengineering.vermont.gov/sites/aot_program_development/files/documents/ltf/PedestrianandBicycleFacilityDesignManual.pdf>
* **AASHTO, Guide for the Development of Bicycle Facilities**, 3rd Edition, American

Association of State Highway and Transportation Officials, Washington, DC;

888-227-4860, <www.aashto.org>, 1999.

**Cross-Country Ski Trails:**

* **Trail Fundamentals and Trail Management Objectives.** 2011. USFS. <http://www.fs.fed.us/recreation/programs/trail-management/trail-fundamentals/Fundamentals_Trng_Pkg_05_01_2011.pdf>

**Hiking Trails:**

* **The Federal Highway Administration’s Trail Construction and Maintenance Notebook - 2007 Edition (**<http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/07232806/index.cfm>)
* **Trail Fundamentals and Trail Management Objectives.** 2011. USFS. <http://www.fs.fed.us/recreation/programs/trail-management/trail-fundamentals/Fundamentals_Trng_Pkg_05_01_2011.pdf>
* **Wetland Trail Design and Construction.** <http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/01232833/toc.cfm>

**Mountain Bike Trails:**

* **Trail Solutions: IMBA's Guide to Building Sweet Singletrack.** 2004. IMBA

**Off-Highway Vehicle (OHV) Trails:**

* **Management Guidelines for Off-Highway Vehicle Recreation.** 2006. Tom M. Crimmins in association with the National Off-Highway Vehicle Conservation Council<http://nohvcc.org/docs/miscellaneous-files/ohvguidelines.pdf?sfvrsn=0>
* **Best Management Practices For Erosion Control During Trail Maintenance and Construction.** Vermont All Terrain Vehicle Sportsman’s Association. <www.vtvasa.org>

**Snowmobile Trails:**

* **VAST Guide for the Development of Snowmobile Trails:** pdf at <http://www.vtvast.org/VAST/Forms/Trails-Forms.html>
* **VAST uses International Snowmobile Trail Guidelines and Signage Standards:**

http://www.snowmobilers.org/signal\_guides/IASASignGuideline\_july05.pdf

**Equestrian Trails**

* **Equestrian Design Guidebook for Trails, Trailheads and Campgrounds.** December 2007. US Department of Agriculture, Forest Service. <http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/07232816/index.cfm>
* **Recreational Horse Trails in Rural and Wildland Areas: Design, Construction, and Maintenance**by [Dr. Gene W. Wood](http://www.americantrails.org/resources/wildlife/genewoodwild.html), Professor Emeritus, Clemson University

**Waterway and Wetland Trails:**

* **Best Management Practices for Duck Blinds, Fences, Catwalks and Docks**. Vermont Wetlands Division <http://www.vtwaterquality.org/wetlands/docs/wl_catwalk_bmp.pdf>.
* **Wetland Trail Design and Construction.** 2001. USDA Forest Service Publication. <http://www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/01232833/toc.cfm>
* **Logical Lasting Launches: Design Guidance for Canoe and Kayak Launches.** 2004. National Park Service Rivers, Trails & Conservation Assistance Program. <http://www.nps.gov/ncrc/programs/rtca/helpfultools/launchguide.pdf>
* **Developing Water Trails in Iowa.** Revised 2010. Iowa DNR. <http://www.iowadnr.gov/Recreation/CanoeingKayaking/WaterTrailDevelopmentTools/WaterTrailsToolkit.aspx>

**General:**

A long list of FHWA resources, guidance and manuals can be found at:

<http://www.fhwa.dot.gov/environment/recreational_trails/guidance/manuals.cfm>

American Trails is the leading national clearinghouse for trail information and provides additional professional resources: <http://www.americantrails.org/resources/accessible/index.html>