

TRAIL PLANNING, CONSTRUCTION, AND MAINTENANCE: A BIBLIOGRAPHY

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TRAIL PLANNING, CONSTRUCTION, AND MAINTENANCE:

A BIBLIOGRAPHY

Compiled by

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PREFACE

Trails represent freedom. Trails provide an escape valve -- access to the countryside -- an encouragement to motion -- or, as one English writer has put it, "room to roam." The increased interest in trails may be a response to the sense of confinement and control brought about by modern development and restrictions on land use. All around us barriers are going up; no longer is it easy to "ride off into the sunset." Trails can cut across these barriers. Non-motorized, or self-propelled modes of trail use have a special appeal. They not only provide freedom of movement, they also offer freedom from complex technology and external sources of energy.

Whatever the explanation, it is obvious that trail based activities are increasing in popularity along with a parallel interest in trail development. Much of the early trail programs and construction were on an ad-hoc, crash course basis. Now, with several years of experience, it is time to reflect on what we have learned and continue on a more deliberate, well planned operation.

The purpose of this bibliography is to bring together literature on the state-of-the-art. Thus it will enable trail planners, managers and users to benefit from what others have learned through research and experience.

We felt that it was important to bring some order to the multitude of references so that the user can more readily find the material he/she needs to answer specific questions. Organization was difficult. Much of the material on trails overlaps a number of categories. Some of the references are listed in more than one category. If the needed reference is not found in the more obvious location, it may be productive to look under one or more of the other headings. For example, most of the material on bicycling trails will be found in the first section, "Trail uses - bicycle." Additional information may be found in the section on "planning documents" or in publications on general planning, design and construction.

The table of contents provides an outline of the major categories of trail related material as we saw it. A few words of explanation on the content of each category may be helpful.

We began with the publications that dealt primarily with a specific trail use or mode of travel. Many potential users begin with the desire to plan or construct trails for a particular kind of activity. These references address this problem directly.

The section on trail use studies contains research reports or investigations of trail users and the trails themselves. This section is intended for those who would like to obtain more than a superficial understanding of the trail phenomenon -- from the view of the participant, as well as those who are responsible for the maintenance and control of trails.

The planning documents section is concerned with specific geographical areas and trails at all levels of development, from federal to municipal. Planning documents may be of more than local interest because they often contain supporting statistical data, and innovative design and construction ideas. They can also serve as examples to those newly involved in the trail planning process.

The final section deals with general trail development and contains publications that do not refer to specific modes of use or geographical areas. In this section items are grouped into major problem areas, such as, "securing right-of-way," "financing," "planning and design," "construction," and "maintenance."

All of the references can be found in the University of Minnesota Forestry Library. Call numbers are provided. Short annotations are given for some of the publications.

We hope that this bibliography will benefit the user and that it will stimulate the development of more and better trails for millions to enjoy.

T. B. Knopp
J. Albrecht

CONTENTS

	<u>Page</u>
TRAIL USES.	1
Bicycle.	1
Snowmobile	8
Other ORV.	11
Ski Touring.	13
Hiking	16
Equestrian	19
Interpretive	21
Fitness.	23
Handicapped.	24
TRAIL USE STUDIES	25
Trails	25
Users.	28
PLANNING DOCUMENTS.	32
Federal.	32
State, Regional, Municipal	35
GENERAL TRAIL DEVELOPMENT	43
Securing Right-of-Way.	43
Financing.	45
Planning/Design.	47
Construction	53
Maintenance/Management	56
General.	59
AUTHOR INDEX.	61

TRAIL USES

Bicycle

- American Association of State Highway and Transportation Officials, 1981. Guide for development of new bicycle facilities 1981. Washington, D.C. 31 pp. [Pamphlet file]
Includes chapters on planning, design, operation and maintenance of bikeways.
- American Automobile Association, n.d. Bibliography of publications on the planning and development of bikeways. Falls Church, Va. 2 pp.
- Anderson, LeRoy D., 1974. Trails along highways. In: Washington State Symposium on Recreation Trails, Proc., pp. 19-25. [333.78/W276]
- Barton-Aschman Associates, Inc., 1976. Bicycling in Pennsylvania: Inventory of users, facilities and programs. Pennsylvania Dept. of Transportation. 218 pp. [PE7830/Misc.1976]
One of the reports resulting from the Statewide Bicycle Framework Study.
- Barton-Aschman Associates, Inc., 1976. Bicycling in Pennsylvania: Planning principles for evaluating bicycle facility investments. Pennsylvania Dept. of Transportation. 55 pp. [PE7830/Misc.1976]
- Barton-Aschman Associates, Inc., 1976. Bicycling in Pennsylvania: Recommended state policies for providing bicycle facilities and programs. Pennsylvania Dept. of Transportation. 190 pp. [PE7830/Misc.1976]
- Barton-Aschman Associates, Inc., 1975. Bicycling in Tennessee: A state plan for bicycle facilities and programs. Tennessee Depts. of Conservation and Transportation. 61 pp. [TN7080/Misc.1975]
- Barton-Aschman Associates, Inc., 1975. Bicycling in Tennessee: Planning and design manual. Prepared for Tennessee Depts. of Conservation and Transportation. 190 pp. [TN7080/Misc.1975]
A manual to assist local units of government in planning and designing bicycle facilities. Chapters include "Bikeway planning principles" and "Bicycle facility design standards."
- Beltt, Charlene Zimmer, 1975. Planning and designing recreational bikeways. In: National Trails Symposium, 3d, 1975, Proc., pp. 54-88. [333.78/N2138/3d]
- Berryhill, James J., n.d. Planning for bikeways. U.S. Bureau of Outdoor Recreation, Southeast Region. 6 pp.

- Bray, G. Swinton, 1976. Making cycling safe. Australian Parks & Recreation. Feb., 1976, pp. 43-45.
Describes the design and construction of a bikeway in the Shire of Belmont, a suburb of Perth, Australia.
- California Department of Transportation, 1983. Bikeway planning and design. Unpaged. [CA8020/Misc.1983]
Section 7-1000 of the California Highway Design Manual and an update of the publication, "Planning and Design Criteria for Bikeways in California," 1978.
- California Department of Transportation, 1978. Planning and design criteria for bikeways in California. 50 pp. + appendix. [CA8020/Misc.1978]
- Cleckner, R. M. and Richard Buck, 1979. Anatomy of a bike trail. Parks and Recreation 14(12):25, 49, 58.
- Cleckner, R. M. and Richard Buck, 1980. Anatomy of a bike trail. Parks 5(1):18-19.
- Coles, Lynelle, 1981. 1981 Roanoke Valley Bikeway Plan. (cover title: Bicycle facilities - the time is now). Roanoke, Virginia, Fifth Planning District Commission. Sponsored by U.S. Dept. of Transportation. 29 pp. + map. [VI7400/Misc.1981]
- Cook, Walter L., 1965. Bike trails and facilities: A guide to their design, construction, and operation. Wheeling, West Virginia, American Institute of Park Executives. 52 pp. [Q711.558/C773]
Includes case studies.
- Denver Regional Council of Governments, 1975. Regional bikeway systems planning and implementation. Prepared for Department of Housing and Urban Development, Urban Mass Transportation Admin., and Federal Highway Admin. 188 pp. + appendices. [Pamphlet file]
- Denver Service Center, 1973. Guidelines for bikeways. Guideline 3(5):60-64.
- Felton, Bill, 1976. The loop lives on. Parks and Recreation 11(10):18-21.
Describes a 66 mile chartered bike course in Milwaukee County, Wisconsin called the "loop." "Passing through 14 parks, it includes 11 miles of highway, and eight miles of city streets."
- Florida Department of Transportation, Division of Planning, 1982. Bicycle facilities planning and design manual: Official standards. Revised, 1982. Various pagings. [FL7550/Misc.1982]
Includes sections on "Bicycle transportation planning process," "location criteria," "selection criteria," and "design criteria."

- Geary, Tom, 1978. Methods of building pedestrian and bicycle paths. In: Seminar/Workshop on Planning, Design, and Implementation of Bicycles and Pedestrian Facilities, 1977, Proc., pp. 417-419. [711.558/Se52/6th]
- Hamill, James P., 1973. Planning and development of bikeway systems. International City Management Assoc., Management Information Service Report v.5 no.4, 25 pp. [Q711.558/H18]
- Indiana Dept. of Natural Resources, 1972. Abandoned railroad rights-of-way as potential bicycling and hiking trails. Indiana DNR and Indiana Central Bicycling Association. 31 pp. [IN7380/Misc.1972]
- JHK & Associates, 1977. State of Wisconsin planning guide for development of pedestrian and bicycle facilities. Wisconsin Governor's Office of Highway Safety. Various pagings. [WS8100/Misc.1977]
- Jarrell, Temple R., 1974. Bikeways: Design - construction - programs. Arlington, Virginia, National Recreation and Park Assoc., Special Publ. Series no. 10022. 180 pp. [711.558/J292]
Includes case studies.
- Johnson, Julia and Glenna Dunning, 1978. Bikeways in California: A selective bibliography. Council of Planning Librarians, Exchange Bibliography no. 1492. 20 pp.
- Kentucky Dept. of Transportation, 1975. Guidelines for the development of bikeways. 16 + 9 pp. [KY7600/Misc.1975]
- MacLeod, Edward, 1978. Burke-Gilman Trail. In: Seminar/Workshop on Planning, Design and Implementation of Bicycles and Pedestrian Facilities, 1977, Proc., pp. 390-402. [711.558/Se52/6th]
Describes the development of 11 miles of off-street urban hiking and biking trail in an abandoned railroad right-of-way in Seattle, Wa.
- Maine Bureau of Parks and Recreation and Maine Dept. of Transportation, 1974. Bicycling in Maine. Various pagings. [MA7380/Misc.1974]
Includes design and construction criteria.
- Maryland Dept. of Transportation, State Highway Administration, 1978. A bikeway criteria digest: The ABCD's of bikeways. Prepared for U.S. Dept. of Transportation, Federal Highway Administration. FHWA-TS-77-201. 78 pp.
Planning, corridor identification, location criteria, environmental impact, design, signs, and maintenance of bikeways are covered.
- Massachusetts Dept. of Public Works, 1975. Bikeways in Massachusetts. 79 pp. + bibliography and appendices. [ME8000/Misc.1975]
The major portion of the document deals with bikeway planning. There are recommendations concerning land acquisition, construction, and signage. Design standards are included.

Minnesota Dept. of Natural Resources, Division of Parks and Recreation, 1975. Bicycle trails manual. 30 pp. [MN8640/Misc.1975]
Includes chapters on planning, design and standards, signing, costs and funding.

Minnesota Dept. of Natural Resources, Division of Parks and Recreation, Trails Section, Bicycle Program, 1977. Minnesota bikeways: A report on the Minnesota State Bicycle Trail Program. 22 pp. [MN8640/misc.1977]

Minnesota State Planning Agency, 1974. Bikeways guide: Model criteria for bikeways and recreational lanes within the highway right-of-way. 67 pp. [MN9580/Misc.1974]
Covers planning, design and construction standards, signing, etc., with an appendix on trail funding.

National Seminar on Planning, Design and Implementation of Bicycle and Pedestrian Facilities, 4th, New Orleans, 1975, 1976. Proceedings. Proceedings coordinator, Walter H. Kraft. Sponsored by Metropolitan Association of Urban Designers and Environmental Planners (MAUDEP). 610 pp. [711.558/Se52/4th]

New Jersey Dept. of Transportation, Division of Transportation Planning and Research, 1973. Bikeways for state highways: A study of dual use. 93 pp. [NJ7520/Misc.1973]
Presents the relative advantages and disadvantages of using state highways for bikeways.

Northeastern Illinois Planning Commission, 1975. Bicycle safety planning guide. 93 pp. [711.558/N814]
Includes chapters on design, construction, and maintenance of bicycle trails. A section of Cook County's northwest suburbs was selected for study.

Oregon State Highway Division, 1974. Bikeway design. 39 pp. [OR7780/Misc.1974]

Oregon State Highway Division, 1972. Footpaths and bike routes: Standards and guidelines. 35 pp. [OR7780/Misc.1972]
Chapters include: "Establishing a bike route plan," "Planning and design," "Construction," and "Standard signing."

Oregon State Highway Division, 1972. Footpaths and bike routes. Guideline 2(2):9, 11-16.
Standards and guidelines for the planning, design and construction of bicycle trails and footpaths.

Parvis, K. C., 1980. Bikeways in New Jersey: Status of planning and development. New Jersey Dept. of Transportation. 211 pp. [NJ7520/Misc.1980]

- Pennsylvania Bicycle Policy Committee, 1973. *Bicycling in Pennsylvania: Executive Summary*. Pennsylvania Dept. of Transportation. 19 pp. [PE7830/Misc.1973]
One of four reports prepared as part of the Statewide Bicycle Framework Study.
- Pennsylvania Dept. of Transportation, 1977. *Guidelines for the development of bikeways*. 31 pp. + appendices. [PE7830/Misc.1977]
Includes information on location planning, design, signing and marking, lighting, grade, right-of-way acquisition, construction, maintenance, etc.
- Pennsylvania Trails Program, 1980. *Non-motorized trails/an introduction to planning and development*. Pennsylvania Trails Program, Division of Outdoor Recreation, Bureau of State Parks. 71 pp. [PE7280/Misc.1980]
An introduction to design and layout of hiking, bicycle, equestrian, ski touring, water and disabled access trails.
- Piccirilli, Ralph et al., 1979? *Bikes, parks, people: A plan for metropolitan bikeway development*. Rhode Island Dept. of Environmental Management. 29 pp. [RI7500/Misc.1979?]
- Rasmussen, Paul et al., 1971. *Guidelines for a comprehensive bicycle route system*. Chicago Dept. of Development and Planning. 16 pp. + appendices. [IL7800/Misc.1971]
- Regional Symposium on Bicycling in the Rural and Urban Environment, Lansing, Michigan, 1974. *Proceedings*. U.S. Bureau of Outdoor Recreation, Lake Central Regional Office, Michigan Dept. of Natural Resources, Recreation Services Division, and Michigan Recreation and Park Association. 48 pp. [Shelved with B.O.R.]
Includes articles on planning, design and operation of bikeways and sources of financial assistance for bikeway development.
- Reidy, Daniel F., 1978. *Bikeway planning in an emerging urban environment*. In: *Seminar/Workshop on Planning, Design and Implementation of Bicycles and Pedestrian Facilities, 1977, Proc.*, pp. 232-239. [711.558/Se52/6th]
- St. Paul Planning Division, 1978. *A plan for bicycles*. 13 pp. [MN9120/Misc.1978]
A plan for the city of St. Paul, Minn. Includes information on location of routes, lanes and paths.
- Seminar on Planning, Design, and Implementation of Bicycle/Pedestrian Facilities, San Diego, 1974, 1975. *Proceedings*. Presented by MAUDEP, the Metropolitan Association of Urban Designers and Environmental Planners, Inc. Berkeley, University of California, Institute of Transportation and Traffic Engineering. 574 pp. [711.558/Se52/3rd]

- Seminar/Workshop on Planning, Design and Implementation of Bicycles and Pedestrian Facilities, Palo Alto, Calif., 1977, 1978. Proceedings. Presented by Metropolitan Association of Urban Designers and Environmental Planners (MAUDEP). Edited by Wolfgang S. Homburger et al. Berkeley, University of California, Institute of Transportation Studies. 527 pp. [711.558/Se52/6th]
- Smith, D. T., Jr., 1976. Safety and locational criteria for bicycle facilities user manual - vol. I: Bicycle facility locational criteria. DeLeuw, Cather & Co. for U.S. Federal Highway Administration. Report FHWA-RD-75-113. 92 pp.
- Smith, Dan, Jr., 1974. Bikeways: State of the art, 1974. Prepared by DeLeuw, Cather and Co. for U.S. Federal Highway Administration. Springfield, Va., National Technical Information Service, PB 236 998. 97 pp. [711.558/Sm54]
- Smith, Haldon L., 1974. Bikeways: Their planning, design, and operation. In: Regional Symposium on Bicycling in the Rural and Urban Environment, 1974, Proc., U.S. Bureau of Outdoor Recreation, pp. 18-22.
- Sommer, Robert and Dale F. Lott, n.d. Bikeways in action: The Davis experience. Davis, University of California, Psychology Dept. 16 pp. + table. [CA3500/Misc.1970]
Describes the network of bicycle paths in Davis, California.
- Swan, S. et al., 1980. Effective treatments of over and undercrossings for use by bicyclists, pedestrians and the handicapped; a literature review. Final report prepared for U.S. Federal Highway Administration by DeLeuw, Cather & Co. 83 pp.
- Swim, Frances F., 1971. Bicycling and bicycle trails: A trails and trail based activities bibliography. U.S. Dept. of the Interior, Office of Library Services, Bibliography Series no. 24. 29 pp.
The majority of references are to publications on bicycle safety and maintenance. A few references to bikeway planning and development are included.
- Tomlins, George, 1976. Cycleway planning. Australian Parks & Recreation Feb., 1976, pp. 49-57.
Includes some information on design standards.
- U.S. Department of Transportation, 1980. Bicycle transportation for energy conservation. Including: A comprehensive bicycle transportation program. A report of the Secretary of Transportation to the President and the Congress 42 pp.

- U.S. Dept. of Transportation, 1972. Bicycling for recreation and commuting. 26 pp. [796.6/Un3]
A general discussion of the increased interest in bicycling and the attempts of federal and state agencies to promote it.
- U.S. Federal Highway Administration, 1977. Bicycle and pedestrian facilities in the Federal-Aid Highway Program. 2d ed. 18 pp.
Explains the use of federal-aid highway funds for the construction of bikeways and walkways.
- University of California, Los Angeles, Institute of Transportation and Traffic Engineering, 1972. Bikeway planning criteria and guidelines: Final report. Prepared for California Division of Highways. UCLA-ENG-7224. 178 pp. + appendices. [CA7660/Misc.1972]
- Virginia Dept. of Highways and Transportation, 1974. Planning and design of bikeways. 112 pp. [VI7400/Misc.1974]
Includes illustrations of types of bikeways and signs.
- Wehrman, Chapman Associates, Inc., 1977. A study for the proposed state bicycle trail program statewide bicycle survey. (Cover title: Minnesota bikeways). Prepared in cooperation with the Minnesota Dept. of Natural Resources, Trails Section, Bicycle Program. 40 pp. + appendices. [MN8520/Misc.1977]
Describes a state survey conducted to determine the needs of bicyclists. These survey results were to form the base on which to develop the statewide bicycle system.
- Wilburn, Darrell, 1978. The need and use of a bikeway master plan. In: Seminar/Workshop on Planning, Design and Implementation of Bicycles and Pedestrian Facilities, 1977, Proc., pp. 413-416. [711.558/Se52/6th]
Describes the Bikeway Master Plan of the city of Eugene, Oregon.
- Wilson, Eugene M. and Donald S. Warder, 1979. Planning bicycle facilities - Glacier National Park. In: National Conference on Recreation Planning and Development, 1st, Snowbird, Utah, 1979. Proc. 1:431-442. [GV191.4.N37y 1979 v.1]
- Wisconsin Dept. of Transportation and Wisconsin Dept. of Natural Resources, 1974. Guidelines for developing urban bikeways. 31 pp. [WS7540/Misc.1974]
- Wise, Peter L., 1972. Recreational trails: Standards and guidelines for their design, use, and management. Washington, D.C., Metropolitan Washington Council of Governments. 37 pp. [Pamphlet file]
Describes a trail system for the Washington metropolitan area which emphasizes hiking and biking trails.

Snowmobile

- Allan, Nigel J. R., 1975. Man, machine, and snow: A study of recreationists' landscape perceptions. Syracuse University, Dept. of Geography, Discussion Paper Series no. 2. 20 pp. [NO4740/Misc.1975]
- Armstrong, Jack, 1974. Snoplan - a trail development and maintenance program. In: Snowmobile and Off the Road Vehicle Research Symposium, 1973, Proc., pp. 168-175. [796.9/Sn65/1973]
- Ballman, Gary, 1982. Minnesota snowmobiler market segments and resource management directions: A qualitative approach. Minnesota Dept. of Natural Resources, Trails and Waterways Unit. 26 pp. [MN8520/Misc. 1982]
- Bombardier Limited, 1972. A guide to the development and maintenance of good snowmobile trails. Valcourt, Quebec, Bombardier Ltd., Industrial Division. 23 pp. [Pamphlet file]
- Brown, Tommy L., 1974. Guidelines for snowmobile trail planning. Cornell University, Dept. of Natural Resources, Conservation Circular v. 12 no. 4, 4 pp. [NO3240/CC-v.12 no.4]
- Dave Miller Associates, 1981. An economic/social assessment of snowmobiling in Maine. Report financed by Maine Dept. of Conservation, Bureau of Parks and Recreation. Technical Report, various pagings; Summary Report, 31 pp. [MA7380/Misc.1981]
Includes a section on "respondent rating of trail system."
- Gilbert, Thomas L., 1975. Providing safe, enjoyable snowmobiling opportunities: Some brief sketches of successful trail programs. U.S. Bureau of Outdoor Recreation, Technical Assistance Bulletin no. 3. 20 pp.
- Hethrington, John W., 1971. A survey of snowmobile trail facilities. In: Snowmobile and Off the Road Vehicle Research Symposium, 1971, Proc., pp. 72-80. [796.9/Sn65]
- Hill, Gregory A., 1974. Central New York snowmobilers and patterns of vehicle use. Journal of Leisure Research 6:280-292.
Findings indicate that snowmobilers "appear to prefer trails ... over large, open areas...."
- Hoffman, Benjamin F., 1970. Signs and trails. In: International Snowmobile Congress, 3d, Portland, Maine, 1970, Proc., pp. 47-48. [Q796.9/In8/3d]

- Hollenbaugh, William C., 1969. Trails and signs design. In: International Snowmobile Conference, 1st, Albany, N.Y., Proc., pp. 9-21. [Q796.9/In8/1st]
- International Conference on Winter Recreation, Ottawa, 1981, 1982. Proceedings. Ottawa, National Capital Commission. 364 pp.
- Knopp, T. B. and W. Wieland, 1983. Demand and response: The case of snowmobiling in Minnesota. Minnesota Agr. Exp. Sta., Sta. Bull. 551. 17 pp. [MN1000/B-551]
- Maine Bureau of Parks and Recreation, n.d. Marking a snowmobile trail. 4 p. mimeo. [MA7380/Misc.n.d.]
- Massie, L. R. and H. D. Bruhn, 1970. Snowmobile trail leveler. University of Wisconsin, Coop. Ext. Prog., Special Circular 151. 6 pp. [WS2000/SC-151]
- Michigan Dept. of Natural Resources, 1974. Michigan snowmobiler economic and preference survey. Michigan DNR and Upper Great Lakes Regional Commission. 83 pp. + appendices. [MI7420/Misc.1974]
One of a series which reports the "Three State Snowmobiler Economic and Attitude Survey" conducted by Gogebic Community College, Ironwood, Michigan. Includes material relative to trails.
- Minnesota Dept. of Conservation, Bureau of Planning, 1970. Minnesota snowmobile survey 1970. 39 pp. [MN8660/Misc.]970]
One of the objectives of the survey was to "determine miles of trails needed by region of the state to meet existing and future demand."
The snowmobilers were surveyed as to their cross-country trail preferences, trail needs, types of trail markings, maps, shelters, etc.
- Minnesota Dept. of Natural Resources, 1974. Minnesota snowmobiler economic and preference survey. Minnesota DNR and Upper Great Lakes Regional Commission. 79 pp. + appendices. [MN8520/Misc.1974]
One of a series which reports the "Three State Snowmobiler Economic and Attitude Survey" conducted by Gogebic Community College, Ironwood, Michigan. Contains material relative to trails.
- North American Symposium on Dispersed Winter Recreation, St. Paul, Minnesota, 1980. Proceedings. University of Minnesota, Office of Special Programs, Education Series 2-3. 171 pp. [MN2020/ES2-3]
Covers snowmobiling, ski touring, winter camping, snowshoeing, and other winter sports; contains several articles on trail planning.
- Northern Maine Regional Planning Commission, 1977. Northern Maine snowmobile trails planning study: 5 year development plan for new 2-way trails. Various pagings + inventory map. [MA7380/Misc.1977]

- Ontario Ministry of Natural Resources, Division of Parks, 1974. Snowmobile trail maintenance programme winter 1974-75. 55 pp. [Pamphlet file]
- Pennsylvania Trails Program, 1980. Motorized trails/an introduction to planning and development. Prepared by Pennsylvania Trails Program, Division of Outdoor Recreation, Bureau of State Parks. 50 pp. [PE7280/Misc.1980]
Covers design and layout of four-wheel drive trails, snowmobile trails, A.T.V. trails and trailbike trails.
- Rygg, Robert et al., 1972. Trails and use areas; development, maintenance and signs. In: International Snowmobile Congress, 4th, Quebec City, 1972, Proc., pp. 35-59. [Q796.9/In8/4th]
A panel discussion.
- Sno Track's Guide to Snowmobile Trail Development. v.2 no.1, 1977; v.3 no.1, 1978. [Pamphlet file]
Contains articles on trail grooming equipment, trail signs, etc.
- Sno Track's Guide to Snowmobile Trail Grooming. v.1 no.1, Fall/Winter, 1976. [Pamphlet file]
Includes articles on "How to build a snowmobile trail," trail grooming, trail signs, etc.
- Snow trail system. Management Aids Bulletin 89:26-34.
Covers "trail design and construction specifications" and signing.
- Trails for motorized vehicles. In: National Symposium on Trails, Washington, D.C., 1971, Proc., pp. 46-58. [333.78/N2138]
- Upper Great Lakes Regional Commission, 1974. Three state snowmobiler economic and preference survey. Michigan DNR, Minnesota DNR, Wisconsin DNR and Upper Great Lakes Regional Commission. 93 pp. + appendices. One of a series which reports the "Three State Snowmobiler Economic and Attitude Survey" conducted by Gogebic Community College, Ironwood, Michigan. Includes material relative to trails.
- Wisconsin Dept. of Natural Resources, 1974. Wisconsin snowmobiler economic and preference survey. Wisconsin DNR and Upper Great Lakes Regional Commission. 83 pp. + appendices. [WS7540/Misc.1974]
One of a series which reports the "Three State Snowmobiler Economic and Attitude Survey" conducted by Gogebic Community College, Ironwood, Michigan. Includes material relative to trails.
- Wisconsin Dept. of Natural Resources, 1978. Wisconsin's snowmobile trail plan - 1978. 12 pp. [WS7540/Misc.1978]

Other ORV

- Bury, Richard L. and Ed Fillmore, 1974. Design of motorcycle areas near campgrounds: Effects on riders and nonriders. Texas Agr. Expt. Sta., Departmental Technical Report no. 6. 61 pp. [TX1000/DTR-6]
- Clymer, Don A., 1981. Trailbike trail standards for the Allegheny National Forest. Marienville, Pa., Marienville Ranger District, Allegheny National Forest. 25 pp. [Shelved U.S. For. Serv., Region 9]
- Cottrell, Richard L., 1975. Hiking-trail biking- and interpretive trail standards. In: National Trails Symposium, 3d, 1975, Proc., pp. 32-42. [333.78/N2138/3d]
- Genereux, John P. and Michele Genereux, 1983. The use of three-wheel vehicles on snowmobile trails in Minnesota: Results of a survey of landowners on grants-in-aid snowmobile trails. Prepared for Minnesota Department of Natural Resources, Trails Planning Section, Trails and Waterways Unit, the International Snowmobile Industry Association, and the Motorcycle Industry Council, Inc. 24 pp. + appendices. [MN8520/Misc.1983]
- Lacey, R. M. et al., 1982. Planning for off-road recreational vehicle use on army installations. U.S. Army, Corps of Engineers, Construction Engineering Research Lab., Tech. Rep. N-132. 93 pp. Includes trail development criteria.
- Lindsay, John J. and Charles P. Ciali, 1978. Vermont trail bike study. University of Vermont, School of Natural Resources, Recreation Management Program, Research Report SNR-RM5. 31 pp. [VE3280/RR-5] Some recommendations relating to trail planning are included.
- McEwen, Douglas N., 1978. Turkey Bay Off-Road Vehicle Area at Land Between the Lakes: An example of new opportunities for managers and riders. Southern Illinois University at Carbondale, Dept. of Recreation, Research Report no. 1. 28 pp. [IL4210/RR-1] Documents design of a single off-road vehicle area as opposed to a system of trails.
- Minnesota Department of Natural Resources, Trails and Waterways Unit, 1983. Three-wheel all-terrain vehicle (3W ATV) status within Minnesota. 5 pp. [MN8520/Misc.1983]
- Nash, A. E. Keir and Marguerite Bou-Raad Nash, 1979. Understanding and planning for ORV recreation: The 1978-79 Washington Offroad Recreation Survey. Washington Interagency Committee for Outdoor Recreation. 159 pp. [WA7400/Misc.1979]

- Pennsylvanic Trails Program, 1980. Motorized trails/an introduction to planning and development. Prepared by Pennsylvania Trails Program, Division of Outdoor Recreation, Bureau of State Parks. 50 pp. [PE7280/Misc.1980]
Covers design and layout of four-wheel drive trails, snowmobile trails, A.T.V. trails and trailbike trails.
- Rasor, Robert, 1977. Five state approaches to trailbike recreation facilities and their management. Westerville, Ohio, American Motorcyclist Association. 64 pp. [333.78/R184]
Describes establishment of motorcycle areas in Florida, Louisiana, California, Missouri and Washington.
- Sanderson, David, 1979? Planning for dispersed recreational trailbike use: One user group's approach. In: U.S. Heritage Conservation and Recreation Service, Planning for trailbike recreation, pp. 36-39.
- Trails for motorized vehicles. In: National Symposium on Trails, Washington, D.C., 1971, Proc., pp. 46-58. [333.78/N2138]
- Tyler, Robert M., 1979? Michigan's ORV trails program. In: U.S. Heritage Conservation and Recreation Service. Planning for trailbike recreation, pp. 48-51.
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- Huyck, Dorothy Boyle, 1971. Trails: So who needs them? Amer. For. 77(10); 22-24, 62-63.
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- Minnesota Department of Natural Resources, 1979. Milwaukee Road Corridor Study: Social and physical inventory. 68 pp. [MN8520/Misc.1979]
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- Minnesota Department of Natural Resources, Trails and Waterways Unit, 1981.
A master plan for the Taconite State Trail. 144 pp. [MN8520/Misc.1981]
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A master plan for the Tower to International Falls Trail. 87 pp. + app. [MN8520/Misc.1983]
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In addition to describing existing and potential trails in New York State, this publication also gives information on planning, funding, and acquisition programs.
- Nordstrom, Paul E. and David G. Johnson, 1980. South Dakota recreational trails plan. South Dakota Dept. of Game, Fish and Parks, Parks and Recreation Division. 178 pp. [SD7170/Misc.1980]
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 Outlines the two trail systems authorized by the Tennessee Trails System Act of 1971: The Tennessee Recreation Trail System composed of relatively short, urban oriented trails, and the Tennessee Scenic Trail System made up of long distance trails.
- Trails for Illinois: Symposium summary. Illinois' First Trails Symposium, Morris, Illinois, 1979. Illinois Dept. of Conservation, Bureau of Planning and Development. 45 pp. + appendices. [IL7160/Misc.1979]
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- Wehrman, Chapman Associates, Inc., 1977. A study for the proposed state bicycle trail program statewide bicycle survey. (Cover title: Minnesota bikeways). Prepared in cooperation with the Minnesota Dept. of Natural Resources, Trails Section, Bicycle Program. 40 pp. + appendices. [MN8520/Misc.1977]
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GENERAL TRAIL DEVELOPMENT

Securing Right-of-Way

- Ames, Gregory P., 1981. Recreational reuse of abandoned railroad right-of ways: A bibliography and technical resource guide for planners. Chicago, Council of Planning Librarians, CPL Bibliography no. 66. 42 pp. [016.711558/Am36]
- Biondi, Arnold S. and Frederick W. Lyman, 1973. Abandoned railroads in Maine; their potential for trail use. Prepared for Maine Dept. of Parks and Recreation, Planning and Research Division. 108 pp. [MA7380/Misc.1973]
- Blair, John S. and Barry S. Tindall, 1977. Effective utilization of abandoned railroad rights-of-way for park/recreation purposes: Potential problems and solutions. Edited by Patricia J. Briner. Arlington, Va., National Recreation and Park Association. 74 pp. [790.973/B575]
- Brooks, Mary E., 1969. Planning for urban trails. Planning Advisory Service Report no. 252. 32 pp. [Q711.558/B791]
Discusses location of trails, e.g., on railroad rights-of-way, acquisition of land for trails, etc.
- Criteria for selection of rights-of-way for recreational trails; standards for trail maintenance and trail administration. In: Rocky Mountain-Pacific Rim Park and Forest Recreation Conference, 1st, 1975, pp. 14.1-14.15. [790.971/R598]
- Gilbert, Thomas L. et al., 1975. Using rights-of-way for recreation. U.S. Bureau of Outdoor Recreation, Technical Assistance Bulletin no. 2. 35 pp.
Provides information about the different types of rights-of-way and gives examples of recreational uses of each type. One of these uses is for trail systems.
- Indiana Dept. of Natural Resources, 1972. Abandoned railroad rights-of-way as potential bicycling and hiking trails. Indiana DNR and Indiana Central Bicycling Association. 31 pp. [IN7380/Misc.1972]
- Lennon, J., 1973? Establishing trails on rights-of-way, principally railroad abandonments. U.S. Bureau of Outdoor Recreation. 54 pp.
Discusses criteria for judging the recreational potential of individual rights-of-way. The bulk of the report is a listing of railroad abandonments by state.

- Macdonald, Stuart H., 1980. A guide to hassle-free railroad right-of-way conversion. Parks & Recreation 15(4):48-49, 52-54.
- Michigan Dept. of Natural Resources, Office of Planning Services, 1975. Railroad rights-of-way in Michigan: Their recreational potential. 98 pp. [MI7420/Misc.1975]
- Minnesota Dept. of Natural Resources, 1979. Milwaukee Road Corridor Study: Social and physical inventory. 68 pp. [MN8520/Misc.1979]
Report of a study to determine whether the DNR should try to acquire all or part of the Milwaukee Road railroad right-of-way between LaCrescent and Ramsey for recreational purposes. 9 appendices accompany the report.
- Minnesota Dept. of Natural Resources, 1980. Milwaukee Road Corridor Study: Summary Root River Trail proposal. Unpagged pamphlet. [MN8520/Misc.1980]
- National Symposium on Trails, Washington, D.C., 1971. Proceedings. U.S. Bureau of Outdoor Recreation. 132 pp. [333.78/N2138]
Includes a section on "Use of rights-of-way for trails."
- National Trails Symposium, 5th, Duluth, Minn., 1979. Proceedings. National Trails Council. 128 pp. [333.78/N2138/5th]
Includes a section on converting railroad rights-of-way to trails.
- Ontario Ministry of Natural Resources, n.d. Trail construction guidelines. 90 pp. [Q625.7/On8]
Includes a chapter on trail right-of-way.
- Suholet, David, 1971. Designing trails compatible within the highway right of ways. Short Course on Roadside Development 30:105-109.
- Tiedt, Glenn F., 1980. From rails to trails and back again: A look at the conversion program. Parks & Recreation 15(4):43-47, 69, 81.
- Trails for Illinois: Symposium summary. Illinois' First Trails Symposium, Morris, Illinois, 1979. Illinois Dept. of Conservation, Bureau of Planning and Development. 45 pp. + appendices. [IL7160/Misc.1979]
Includes a section on trails on abandoned railroad rights-of-way.
- U.S. Citizen's Advisory Committee on Environmental Quality, 1975. From rails to trails. 68 pp.
Discusses conversion of rights-of-way to recreational trails.

Financing

- Minnesota Department of Natural Resources, Division of Parks and Recreation, 1975. Bicycle trails manual. 30 pp. [MN8640/Misc.1975]
Includes a chapter on funding.
- Minnesota Department of Natural Resources, Trails and Waterways Unit, 1982. Cross country ski trails: Public funding options. 8 page mimeo. [MN8520/Misc.1982]
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- National Trails Symposium, 4th, 1977. Proceedings: Expanding America's trail system; an investment in energy-wise recreation. Sponsored by U.S. Bureau of Outdoor Recreation, North Carolina Trails Committee, and National Trails Council. 185 pp. [333.78/N2138/4th]
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AUTHOR INDEX

- Alaska Dept. of Natural Resources 35
 Alesch, Richard J. 13
 Allan, Nigel J. R. 8, 13, 28
 Allan, Robert L. 28
 Allton, David J. 28
 American Association of State Highway and Transportation Officials 1, 47
 American Automobile Association 1, 47
 Ames, Gregory P. 43
 Anderson, Angela 39
 Anderson, Le Roy D. 1
 Arkansas Dept. of Parks and Tourism 56
 Arkansas Trails Council 35, 56
 Armstrong, Jack 8
 Arthur, Guy E. 53
 Ashbaugh, Byron L. 21, 47
 Askham, Leonard R. 35, 42
- Badaracco, Robert J. 21
 Ballman, G. E. 13, 28
 Ballman, Gary 8, 28
 Barkauskas, Mary Ellen 16
 Barton-Aschman Associates, Inc. 1, 35, 47
 Beckman, Alice 37
 Beechel, Jacque 21, 24
 Beltt, Charlene Zimmer 1, 47
 Bentryn, Gerard C. 47
 Berkmüller, Klaus 21
 Berryhill, James J. 1, 47
 Biondi, Arnold S. 43
 Birchard, William, Jr. 53, 56
 Blair, John S. 43
 Bombardier Ltd. 8
 Braslau, David 47
 Bratton, Susan P. 56
 Bray, G. Swinton 2
 Briner, Patricia J. 43
 Brittain, Wallis 60
 Brooks, Mary E. 43, 47
 Brower, Steve 36
 Brown, Tommy L. 8, 47
 Bruhn, H. D. 9
 Buck, Richard 2
 Burch, William R., Jr. 16, 25
 Bury, Richard L. 11

California Dept. of Parks and Recreation 36
 California Dept. of Transportation 2, 48
 Canada, Parks Canada 16, 19, 48, 59
 Cherem, Gabriel J. 16
 Ciali, Charles P. 11, 29, 37
 Clark, Roger W. 59
 Cleckner, R. M. 2
 Clymer, Don A. 11
 Cohee, Melville H. 19
 Cole, David N. 16, 25, 56
 Coles, Lynelle 2
 Collins, Janice 24
 Conservation Council of Ontario 59
 Cook, Walter L. 2
 Cottrell, Richard L. 11, 16, 21
 Council of Governments of Cook County 18, 20, 52, 60
 Crow, G. E. 28

Dartington Amenity Research Trust 21
 Dave Miller Assoc. 8, 28
 Dawson, J. O. 16, 25
 Deeg, Bart 48
 De Land, Loren F. 25
 DeLeuw, Cather & Co. 6, 24, 52
 Denver Regional Council of Governments 2, 48
 Denver Service Center 2
 Douglass, Robert W. 48
 Driver, B. L. 15, 30
 Dunning, Glenna 3

EDAW, Inc. 19, 36
 Earley, James 24
 Eissler, Frederick 32
 Erdman, Ken 16
 Evans, Bob 37

Fazio, James R. 21
 Felton, Bill 2
 Fillmore, Ed 11
 Florida Dept. of Transportation 2, 48
 Florida Trail Association, Inc. 16, 36
 Ford, Roger D. 36

Garvey, Joseph M. 21, 24
 Geary, Tom 3
 Genereaux, John P. 11, 48
 Genereaux, Michele 11, 48
 Gilbert, Thomas L. 8, 43
 Godin, Victor B. 56
 Gogebic Community College 9, 10, 29, 30, 31
 Graber, R. E. 28
 Gregersen, H. M. 26

Haas, G. E. 29
 Hamburg, Steven 56
 Hammett, Doris 19
 Hamill, James P. 3, 48
 Hammitt, William E. 16
 Hay, Edward 47
 Heath, Edward I. 22
 Helgath, Sheila F. 57
 Hendee, John C. 29, 57
 Hethrington, John W. 8
 Hill, Gregory A. 8, 29
 Hoffman, Benjamin F. 8
 Hollenbaugh, William C. 9
 Holmes, Robert L. 53
 Hom, Hanson 41
 Homburger, Wolfgang S. 6, 51
 Hultsman, John 22
 Huyck, Dorothy Boyle 32

Idaho Dept. of Parks and Recreation 36, 48
 Illinois Dept. of Conservation 42
 Indiana Dept. of Natural Resources 3, 17, 43, 53, 57
 Itasca Engineering, Inc. 36

JHK & Associates 3, 36, 49
 James, George A. 25
 Jarrell, Temple R. 3
 Jewett, Ann 57
 Johnson, David G. 19, 40
 Johnson, Julia 3
 Josselet, Ron 37
 Jubenville, Alan 19, 49

Keating, Jean 41
 Kentucky Dept. of Transportation 3
 King, William G. 57
 Knopp, T. B. 9, 13, 28, 49
 Kordish, Raymond J. 21, 47
 Kraft, Walter H. 4, 50
 Kuss, Fred R. 25

Lacey, R. M. 11
 Larsen, Dayton M. 22
 Larson, Robert D. 13
 Lavelly, Philip E. 59, 60
 Leas, Rod 37
 Leatherberry, Earl C. 25
 Leeson, Bruce F. 17
 Lennon, J. 43
 Leonard, R. E. 25, 49
 Leonard, Raymond E. 56
 Lieber, Stanley R. 28
 Lime, David W. 25
 Lindsay, John J. 11, 29, 37
 Lott, Dale F. 6
 Lovelady, Gregory W. 35
 Lucas, Robert C. 17, 25, 26
 Lyman, Frederick W. 43
 Lynott, Bill 37

MAUDEP 4, 5, 6, 50, 51
 McCay, Roger E. 29
 Macdonald, Stuart H. 44
 MacEwen, Douglas N. 11
 MacKoy, Robert D. 30
 McLaughlin, W. J. 29
 Mac Leod, Edward 3, 17
 McQuaid-Cook, J. 17, 19, 26
 Maine Bureau of Parks and Recreation 3, 9, 37
 Maine Dept. of Transportation 3, 37
 Maloney, Jack P. 13, 49
 Marsh, John S. 59
 Maryland Dept. of Transportation 3, 49
 Massachusetts Dept. of Public Works 3, 37, 49
 Massie, L. R. 9
 Matheny, Sandy J. 57
 Merriam, L. C. 13, 28
 Metropolitan Assoc. of Urban Designers and Environmental Planners 4, 5, 6, 50, 51
 Metropolitan Council 37, 49

Michigan Dept. of Natural Resources 9, 29, 44
 Miles, William R. 22
 Miller, Diane 23
 Minnesota Dept. of Conservation, Bur. of Planning 9, 29
 Minnesota Dept. of Natural Resources 9, 13, 14, 17, 19, 30, 37, 38, 44,
 49, 50
 Minnesota Dept. of Natural Resources, Div. of Parks and Recreation 4,
 38, 45
 Minnesota Dept. of Natural Resources, Div. of Parks and Rec., Trails
 Section 4, 38
 Minnesota Dept. of Natural Resources, Trail Planning Section 39
 Minnesota Dept. of Natural Resources, Trails and Waterways Unit 11, 14
 39, 45, 50, 53, 57
 Minnesota State Planning Agency 4, 45
 Missouri Dept. of Natural Resources 39, 53
 Moeller, George H. 29
 More, Thomas A. 26
 Murray, Judith Buckley 30

Nagy, M. M. 53
 Nash, A. E. Keir 11, 30, 50
 Nash, Marguerite Bou-Raad 11, 30, 50
 New Jersey Dept. of Transportation 4
 New Jersey Trails Council 39
 New Mexico Park and Recreation Commission 19, 40
 New Mexico State Planning Office 40
 New York State Council of Parks and Outdoor Recreation 40
 New Zealand Walkway Commission 18, 50
 Nielsen, Boje Turin 14, 50
 Nordstrom, Paul E. 19, 40
 Northeastern Illinois Planning Commission 4
 Northern Maine Regional Planning Commission 9, 40, 50

Ohlerking, Damon 36
 Oklahoma Tourism and Recreation Dept. 40
 Oliver, Wayne D. 40
 Olson, Jana 41
 Oltman, Jerry 53, 57
 Ontario Ministry of Natural Resources 10, 44, 53, 58
 Ontario Ski Council 14
 Open Lands Project 18, 20, 52, 60
 Oregon State Highway Division 4, 18

Palmer, James F. 50
 Palmer, John J. 22, 24
 Palmer, Rexford 58
 Paradice, W. E. J. 29
 Parks Canada 16, 19, 48, 59
 Parvis, K. C. 4, 41, 51
 Pennsylvania Bicycle Policy Committee 5, 41
 Pennsylvania Dept. of Transportation 5, 51
 Pennsylvania Trails Program 5, 10, 12, 14, 18, 19, 24, 41, 51
 Piccirilli, Ralph 5, 41, 51
 Platt, John W. 58
 Plumley, Harriet J. 26
 Potomac Appalachian Trail Club, Inc. 58
 Price, Martin 26
 Proudman, Robert D. 53, 54, 56, 58

Rajala, Reuben 54, 58
 Rasmussen, Paul 5
 Rasmussen, Paul 14, 41
 Rasor, Robert 12
 Reich Hall Blyth Partnership 54
 Reidy, Daniel F. 5, 51
 Remington, Jack 41
 Rhyme, F. David 54
 Richmond, Bob 58
 Rinehart, Robert P. 26
 Rosenthal, Donald H. 15, 30
 Rutter, E. Rogers 41
 Rygg, Robert 10

St. Paul Planning Division 5, 41, 51
 Sanderson, David 12
 Schomaker, Rebecca W. 51
 Schreuder, Hans T. 25
 Sharkey, Brian J. 23
 Sharpe, Grant W. 22
 Smith, Charles K. 30
 Smith, D. T., Jr. 6
 Smith, Dan, Jr. 6, 52
 Smith, Haldon L. 6, 52
 Sommer, Robert 6
 Spencer, Edward L. 30
 Spinelli, Tony 24
 Suholet, David 44
 Swan, S. 6, 24
 Swim, Frances F. 6

Taylor, Dorothy T. 30
 Tennessee Dept. of Conservation 41, 42
 Thorsell, J. W. 26, 30
 Tiedt, Glenn F. 44
 Tindall, Barry S. 43
 Tomlins, George 6, 52
 Tyler, Robert M. 12, 42

U.S. Bureau of Outdoor Recreation 18, 20, 32, 33, 52
 U.S. Citizen's Advisory Committee on Environmental Quality 44
 U.S. Congress 33
 U.S. Dept. of Transportation 6, 7
 U.S. Federal Highway Administration 7, 46
 U.S. Fish and Wildlife Service 22
 U.S. Forest Service 22, 33, 54, 58
 U.S. Heritage Conservation and Recreation Service 12, 33, 34, 52, 60
 U.S. National Park Service 24, 34
 University of California, LA, Inst. of Transportation and Traffic Eng.
 7, 52
 Upper Great Lakes Regional Commission 10, 30
 Utah Outdoor Recreation Agency 20, 42

Virginia Dept. of Highways and Transportation 7, 52
 Vogel, Charles 18, 20, 52, 54

Warder, Donald S. 7
 Washington Interagency Committee for Outdoor Recreation 42
 Wasson, Richard 22
 Watson, Alan P. 22, 24
 Weaver, Glenn 23, 36
 Weaver, Tad 26
 Webb, Robert H. 12
 Weeks, John A. 21
 Wehrle, Ken 55
 Wehrman, Chapman Associates, Inc. 7, 31, 42
 Wenger, Wiley D., Jr. 26
 Wernex, Joseph J. 12
 Whitney, A. M. 25
 Whittaker, Paul L. 18, 20
 Wieland, W. 9, 49
 Wilburn, Darrell 7
 Wilshire, Howard G. 12, 27
 Wilson, Eugene M. 7
 Winslow, Carl 58
 Wisconsin Dept. of Natural Resources 7, 10, 31, 42

Wisconsin Dept. of Transportation 7
Wisconsin Division of Tourism 15
Wise, Peter L. 7, 18, 52
Wood, Glen M. 15

Zealley, Ted 55
Zimmerli, Ernst 22