
DAN BURDEN - Curriculum Vitae

Bicycle/Pedestrian/Traffic Calming and Livable Communities Specialist

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SPECIFIC TRAINING/SKILLS

Bachelor of Science in Recreation Management and Planning, and 1-year post graduate work in Interpersonal Communications at the University of Montana. Major additional nondegree attainment areas of extended study include: psychology, statistics, geography, journalism, and sociology at Ohio State University and University West Florida. Further professional training and practical work in human factors, lighting, accident investigation/reconstruction, related engineering.

Twenty-two years experience in government program development, implementation and training (seven of these years while working in association management, and sixteen years with the Florida Department of Transportation). During this time I have gained twenty years experience in conference and training course development and delivery, four years of experience working with the state legislature, and eleven years serving as an expert witness in fifteen states. I have served as a trainer in 40 states, with major course delivery in Arizona, Florida, Hawaii, Oregon, Washington, Nevada, California, Texas, Maryland, Wyoming, Virginia, Ohio and Washington, D.C.

Co-developed and instructed the three-day "Bicycle and Pedestrian Safety and Accommodation" course covering Engineering, Planning, Education and Enforcement Training under a joint contract with the Federal Highway Administration and the National Highway Traffic Safety Administration (1995-1997).

TRAINING/TECHNICAL WRITING

Seventeen years experience in training course development and presentations to professional audiences, including specific courses for planners, engineers, architects, landscape architects, police, teachers, political leaders, and general audiences. Developed course curriculum, teaching objectives, instructor manuals, student manuals, AV programs, and related materials. Have developed marketing and promotional programs for two national conferences, ten national/regional conferences, and five state conferences. Keynote speaker on alternative transportation or safety topics at thirty national conferences, and two national conferences in Australia.

ENGINEERING/PLANNING:

Developer of the *Florida Bicycle Facilities Planning and Design Manual (1981-1996)*, used as guidance for the construction of all on-road and off-road bicycle facilities by state, municipal and county governments, as well as private developers.

Manager of the development of the *Florida Pedestrian Facilities Planning and Designing Manual (1996)*, used as guidance for the construction of all pedestrian related facilities by state, municipal and county governments, as well as private developers.

Committee Member of Florida's "**Greenbook Committee**" This policy making group sets the minimum standards for the construction and maintenance of all streets and highways.

Task Force Member of Safety in Design Task Force, a special work group assigned by the Florida Secretary of Transportation to establish desirable standards for the construction and streets and highways.

Developer of (and currently teach) 4-hour, 6-hour, and 16-hour bicycle facilities design training courses with 4,950 engineers and planners completing the course to date.

Developer of (and currently teach) 8-hour and 16-hour basic and advanced pedestrian facilities planning and design training course. This course has been offered in 300 locations, with approximately 10,000 engineers, planners, architects, landscape architects, political leaders and administrators trained.

Chair, Pedestrian Safety Task Force which wrote *Florida Pedestrian Safety Plan*; a comprehensive plan covering planning, engineering, education, enforcement and implementation.

Chair, Florida School Crossing Guard Curriculum Development Task Force; which prepared state standards for the training and operations of Florida's school crossing guards. Co-instructor for several of these 8-hour courses.

Project Manager for Florida School Crossing Guard Training Program, including development of training video and related instructional materials

Project Manager for research on trails intersections, home-to-school transportation trips, bike lanes and shared road use, elder pedestrian intersection design.

Principle Writer, researcher for reports on toll booth pedestrian safety, bridge decking safety

Project Design Reviewer for fifteen-years of roadway and bridge plans for state-funded projects to determine best treatment for bicycle and pedestrian compatible roadways.

Task Force Member of AASHTO (American Association of State Highway Transportation Officials) Pedestrian and Bicycle Safety Committee.

Principle Writer of bicycling facilities chapter to Institute of Transportation Engineers (ITE) *Toolbox for Highway Design*.

Manager and Contractor for development of *Florida Comprehensive Bicycle Transportation Plan*.

Reviewer during development of 25 regional comprehensive bicycle transportation plans.

Manager and Contractor for development of *Florida Comprehensive Pedestrian Plan*.

Reviewer during development of 12 regional comprehensive pedestrian plans.

Consultant: Conducted evaluation of the existing use patterns and developed bicycling/pedestrian treatments for Audubon Park, New Orleans. Evaluated the impact of in-line skating (roller blading) of Audubon Park. Technical advisor to Rails to Trails design manual. Served as the principle planner on the *Comprehensive Bicycle Transportation Plans* for Yuma and Glendale Arizona. Consultant to Orlando light rail OSCAR project, providing input on pedestrian and bicycling needs. Consultant to Project for Public Spaces. Consultant to Grand Canyon

National Park to develop the greenway system for the North and South Rims. Consultant to Boulder, Colorado in a 5-day charrette-style neighborhood plan, 3-day charrette in South Beach, Florida. Additional consultant project listing available upon request.

Moderator and Instructor for National Bicycle Safety Workshop series (10 regional workshops) for NHTSA/FHWA (1977-78), produced *Bicycle Safety Atlas*.

Sub-Consultant to the Federal Highway Administration and National Highway Traffic Safety Administration Bicycle/Pedestrian Research Team.

Task Force Member of NHTSA/FHWA's Pedestrian Crash Reduction Task Force, which oversees programming recommendations for reduction of pedestrian injuries.

Instructor for Traffic Calming Engineering Solutions for FHWA, University of Connecticut, City & County of Honolulu, Hawaii,

ENFORCEMENT

Developer of training course manual and curriculum for 4-hour, 8-hour, 16-hour bicycle law enforcement training courses. Courses delivered in: Annapolis, Baltimore, Maryland; Reno and Las Vegas, NV; Redmond, Washington, Orlando, Florida. Currently offering courses nationwide with co-instructor, John Moffat. Students to date: 1,500.

Designer and helped produce 24-minute training film on bicycle law enforcement, to be used by previously trained staff during "roll call" training of staff officers.

Designer and Contractor for writing of 11 publications on bicycle safety topics.

National Task Force Member to review and update model laws and ordinances for pedestrian and bicycling topics (NHTSA, 1979) and engineering accident countermeasures (NHTSA, 2001)

EDUCATION:

Developer of pilot bicycle education programs in Montana and eight Florida counties. Courses are directed toward 3rd, 4th and 5th grade students, with primary teaching responsibilities assigned to the physical education teacher. Courses are based on "experiential learning" and include both in-class and on-bike training skills (10 hours per grade).

Instructor for training and coaching elementary level physical education teachers for the above program for eight years. Teachers trained during that time period: 1,034

Co-Author, publication manager of 48-page *Guide to Skills Tests and Bicycle Rodeos*, 1986, AAA Safety Foundation. Author of 48-page color-illustrated workbook, *Best Bicyclist On Earth*, 1987, principle revision writer of *The Bicyclist's Guide*, 1990, Outdoor Empire Publishing.

Project Development Manager for initial national program, **Bike-Ed America**, a comprehensive traffic skills development program offered in grades K-8.

Chair and Principle Writer for National Highway Traffic Safety Administration project to produce a bicycle safety hangtag for bicycles sold in America.

ENCOURAGEMENT:

Project Manager for development and printing of 11 maps of bicycle trails in Florida (appx 1100 miles).

Established Florida Bicycle/Pedestrian Commuter Assistance Center, a fully staffed marketing and development team to promote bicycle and pedestrian commuting.

IMPLEMENTATION:

Assisted with startup and served as the Executive Director of the **Florida Bicycle Council**, with 16 citizen members and 8 task force members. The Council provided recommendations on statewide program implementation.

Assisted directly with three years of successful legislation to upgrade Florida's bicycling laws. Today Florida is credited with having the most modern, fair and enforceable laws in the nation.

Eight successive years of raising more than \$500,000 in annual program monies through federal and state and local grants. Principle proposal writer for the following alternative transportation projects: \$600,000 for Liveable Cities, \$350,000 for commuter assistance handbook (CASH Manual), \$460,000 for Home to School, Elderly Pedestrian and Traffic Safety Education studies; and \$230,000 for bicycle/pedestrian commuter promotion programs, \$120,000 to manage school crossing guard training, and \$240,000 for traffic-ed training program.

OTHER PROFESSIONAL WORK

In addition to my pro-active alternative transportation duties as part of the Florida government, I have maintained a non-government volunteer or consultant role in supporting other state and community programs, gained courtroom experience as an expert witness, and served as a writer, board member or administrator for other organizations and programs. This work has introduced me to far broader conceptual thought on transportation, and helped me develop a valued network among urban planners, architects, landscape architects, safety specialists and community leaders throughout the nation and in other parts of the world. My broad, public speaking, expert witness and photography assignments have allowed me to travel, observe, meet with fellow professionals and photographically record treatments in at least twenty new cities each year (1980-1996) and about 200 cities per year during the Walkable Communities (1996-present), or over 1,600 cities visited to date. Maintain a stock of over 100,000 urban transportation, traffic safety, and urban design slides and images.

Film Production/ Technical Director:

Served as producer of five videos in pedestrian planning, bicycle planning, bicycle law enforcement, adult bicyclist training, school crossing guard training and motorist/bicyclist training. Served as technical director on seven films, one film each on pedestrian and bicycling topics for the American Trucking Association, AAA's Senior Adult *Safety On Three Wheels*, two 1987 Walt Disney productions: *I'm No Fool On a Bicycle*, and *I'm No Fool as a Pedestrian*, Hawaii's *Bike-Ed*, and Los Angeles's *Bicycling the Safe Way*. Project manager of K-2 pedestrian skills development course, using interrupted video technology. Secured funding for grades 3-5 bicycle skills development, same video format as above.

United Nations Bicycling Technical Expert:

Selected as one of five experts from around the world by the United Nations technical advisory staff to assist China in the evaluation and development of bicycle facilities, systems, safety programs, operations and environment, Spring, 1994.

Expert Witness and Legal Work:

Served as expert witness on bicycle and pedestrian accidents, including sixteen cases on multi-use trails/paths/sidewalks and twenty-five cases on roadways, intersections or bridges. Work has included reconstruction, photography, video reenactment and courtroom testimony. Certified as an expert witness in courtrooms in Florida, Colorado, New Jersey, Iowa and Montana. Other preparation and courtroom experience with pedestrian/bicycle land use planning issues.

Specialties include crash causation, bicycling physics, bicyclist behavior, human factors, visibility/conspicuity of bicyclists and pedestrians, motorist detection, laws and ordinances.

Instructor in bicycle and pedestrian accident causation, human factors, visibility, investigation, reconstruction for the Institute of Police Technology and Management (Adjunct), Federal Highway Administration, National Highway Traffic Safety Administration, and various states/cities.

Principal Researcher, co-author of the *Bicycle Highway Users Safety Report*, funded by the National Highway Traffic Safety Administration, 1977.

Developer and Co-instructor of human factors training course on bicycle and pedestrian topics, delivered to the 1990, 1994 and 1995 Transportation Research Board Workshops, and Pro-Bike '90. Active with pedestrian and bicycling committees to the Transportation Research Board. Member of the TRB bicycle committee.

Experienced and knowledgeable in bicycle helmet design, impact energy reduction, promotion and marketing of helmets, associated legislation, and other topics related to use and benefits of bicycle helmets.

Photographer:

Maintain diverse stock of current sustainable transportation related slides. Freelance photographer for numerous publications including National Geographic, Geographic World, Better Homes and Gardens, Mariah, Outside, Popular Science, Women's Day, Bicycling, Parenting, Sierra Club Calendars, Weekly Reader, Senior Scholastic, Bicycle Rider and Bicycle Guide. Producer of multi-projector, sound and speaker supported audio video programs on travel topics.

Writer:

Authored many articles, manuals and books including Florida's *Bicycle Facilities Planning and Design Manual* (1981) and *Pedestrian Facilities Planning and Design* (1996) *Manuals*, *Bicycle Section* of ITE's *Traffic Safety Toolbox*, *Street Design Guidelines for Healthy Neighborhoods* (1998), *Citizens Guide to Traffic Calming*, and *Guide to Traffic Calming and Emergency Response* (2000), published by the Local Government Commission.

Frequently write project reports and technical articles on such topics as traffic calming, intersection design, community visioning, pedestrian and bicycle facilities, pedestrian and bicycle safety, traffic safety, walking, transportation, connectivity, recreation, hostelling, and quality of life issues.

Public Speaker:

Serve as lecturer, keynote speaker and presenter for conferences and large public meetings on such topics as walkable communities, traffic calming, retrofitting suburbia, charrette-based planning, bicycle travel in the U.S., Mexico, Australia and China... Presented keynote speeches on alternative transportation and livable communities to dozens of regional, national and international audiences, including APWA National Convention in Philadelphia on September 12, 2001 and ITE's Distinguished Lecture on January 11, 2001.

Facilitator:

Frequently serve as principle facilitator on multi-day planning charrettes for visioning downtowns, key transportation corridors, trails systems, transportation plans and similar projects.

Advisor:

Served as an advisor to the National Safety Council and National 2-Wheeled Safety Committee on Walking and Bicycling Education and Enforcement Accident Countermeasures Development. Also served as an advisor to the Walkways Center in their program, *"Walkways at Your Doorstep"* and as an advisor to FHWA/NHTSA on pedestrian safety program development. Currently serving on National Advisory Committees for the Robert Wood Johnson Foundation's Active Living Projects.

President:

Served as President of the American Youth Hostels (1990-92), a nonprofit corporation promoting inexpensive travel and overnight accommodations for people wishing to gain a greater understanding and appreciation of the world and its people. Proponent and major fund raiser for project to develop "sustainable hostels" to serve as models for future, environmentally sound, appropriately designed, landscaped, and operated large (200-bed) lodgings. The initial project has been built adjacent to Grand Canyon National Park, and serves as a model for professional designers throughout the world.

Other Boards/Committees:

Served as a Board Member to Transportation 2000 (nonprofit corporation that sponsors annual conferences on current and future technology and applications of transportation, and further acts to disseminate information on transportation programs), chair of Programs and Education Committee and Corridor Management Team for the Florida Scenic Highways program. Have served on the board or have staffed each of America's best known bicycling organizations, including the League of American Wheelmen, Adventure Cycling Association, and the Bicycle Federation of America. Member of the Transportation Research Board Pedestrian Committee.

Expedition Leader:

Experienced event organizer for on-road and off-road events. Along with my wife, Lys, responsible for leading bicycling day and weekend events and expeditions, in near wilderness settings such as Banff/Jasper, Lewis & Clark Trail in Idaho, Montana, Australia, China, and other locations.

HONORS AND RECOGNITION

Time Magazine's Civic Innovator

2001 elected as one of ten national civic innovators for Year 2001 and featured in Time Magazine, June 18, 2001.

ITE Distinguished Lecturer Award

2001 selected as the Institute of Transportation Engineering distinguished lecturer for the annual meeting and delivered a lecture featuring transportation's role in defining communities and the importance of context sensitive design and transportation alternatives.

Sustained Superior Achievement Award

1994 selected for the Florida Department of Transportation's highest annual award to a non-managerial employee (Central Office), for *Sustained Superior Achievement*.

Dr. Paul Dudley White Award

1983 recipient of the League of American Wheelmen's award as the outstanding contributor to bicycling.

Bill Gartner Award

1982 recipient of the Bill Gartner Award, presented to the Florida Department of Transportation's "Outstanding Male Employee of the Year". Four other state and national leadership achievement awards from the National Safety Council, the American Automobile Association, and the Florida Governor's Council on Physical Fitness and Sports have been presented during the 1980's.

Outdoor Recreation Achievement Award

1976, Along with my wife, Lys, co-recipient of the annual Bureau of Outdoor Recreation's Outdoor Recreation Achievement Award, for having developed the 4,200 mile TransAmerica Bicycle Trail.

OTHER

Age 60, married to Lys Brant Burden, Children: Jodi, Age 27, and Juli, Age 19.
U.S. Navy, 1966-70, assignments in Pensacola and Guantanamo Bay, Cuba.
Hobbies include carpentry, travel, kayaking, bicycling, backpacking and writing.