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President/Transportation Engineer
Alternate Street Design, P.A.

My 39 years of experience have included traffic engineering, road construction, transportation design, and traffic calming for a wide range of projects ranging from single intersection design to large-scale road projects that integrate attractive landscaping with pedestrian, bicycle and vehicle facilities. My perspective is that streets and highways are transportation corridors that serve all people and therefore should be designed to benefit motorists, transit, pedestrians, bicyclists, and people with disabilities. I have developed and presented many training courses that include designing for pedestrians, roundabout design, traffic calming and some smaller subjects.

Over the years, I have developed a set of design principles based on first-hand experience and post construction reviews. These principles form the foundation for my design work. I share my expertise by presenting training courses, charrettes, workshops, and presentations across the US so people can make informed decisions regarding transportation.

Roundabouts

I have been instrumental in designing and promoting roundabouts in the United States. Although not the solution in all cases, roundabouts have far more uses than signalized intersections. My 35 years of roundabout design experience enable me to provide appropriate advice about the feasibility and layouts for successful roundabouts for pedestrians, vehicles, bicyclists, trucks, oversize trucks and emergency vehicles. During this time I have designed more than 700 roundabouts in Australia, Bahamas, Cayman Islands, Canada, India and the US. During that time I have designed just about every type and shape of roundabout from local street roundabouts, freeway interchanges and three lane roundabouts with light rail through the center.

I have presented more than 1,300 roundabout presentations, 53 roundabout training courses to public sector agencies and commissions, political leaders, and citizens in more than 40 states.

Design Charrettes, Community Consensus Building:

In keeping with my philosophy of providing community involvement in community projects, I participate in an increasing number of projects that involve building community consensus. In these projects, I provide citizens and professionals with latest design philosophies and opportunities so they can prepare their own designs.

Street Design:

I have taken the National Main Street Training program and worked with approximately 30 Main Streets in Florida, California, Hawaii, Asheville, NC, Kansas, Missouri, etc. Some notable designs are College Street, Asheville, NC, La Jolla Boulevard, San Diego, CA, Main Street in Zephyrhills, FL and Santa Monica Boulevard, West Hollywood, CA.

Traffic Calming

My involvement began with the development of Local Area Traffic Management (LATM) projects in Australia in the early 1970's when traffic calming was a new concept. We developed a community process and traffic calming treatments by trial and error.

In the US I have helped more than 90 communities prepare traffic calming concept plans in places such as Missoula, MT, Dover, DE; Boca Raton, Clearwater (9), Gainesville (3), Jacksonville, and Orange County (4) in FL; Colorado Springs, CO, Austin, TX; Honolulu, HI (21); Ballwin and Liberty, MO; Lawrence, Overland Park (3), Kansas, etc. I wrote traffic calming guidelines and procedures for Honolulu, HI, and Encinitas, CA.

Walkable Communities: I assisted in the writing and presentation of 100+ Walkable Community Design courses.

Access Management:

As Access Management Engineer for the Florida Department of Transportation in District 2, I served as an expert witness for the 1995 challenge to rewrite Access Management Rule 14-96 that made median openings a traffic control device.

Traffic Signal Design:

During my 32 years as a traffic engineer, I have designed and/or redesigned a thousand signalized intersections in Australia and the US ranging from simple two-phase to major intersections up to 90,000 vehicles per day.

Road Diets

A number of my road projects have taken four and five lane, signalized roads and converted them to two lane roads with roundabouts and gained significant improvements in operation. Examples include, College Street, Downtown Asheville, NC, La Jolla Boulevard, San Diego, CA, 40th Street University Place, WA.

Transit Design

As a Traffic Engineer in Melbourne, Australia I was heavily involved in all forms of transit design that included transit priority at intersections, signal coordination with transit priority, extensions of three on-road light rail routes where the light rail was either was in a median or shared a travel lane with motor vehicles.

Author

I have authored and co-authored many articles that include Traffic Signal analysis and design, Analysis of pedestrian crashes, Traffic Calming, A new direction in Road Design, Traffic calming, Roundabouts, etc.

Honors and Recognition

A growing number of projects that I designed, or helped to design, have won various awards across the US, a few examples follow that include road design with and without roundabouts, Traffic Calming, and Roundabouts.

1. La Jolla Boulevard, San Diego, CA, a five lane to two lane road conversion with five roundabouts in a mile. APWA 2008 Road Design Project of the Year and the ASCE award for Outstanding Project.
2. Urban Land Institute's "Smart Growth Award" for the "Catalyst Project of the Year" American Planning Association's "Award of Merit" for "Planning Excellence for a Grassroots Initiative."
3. Village of Hamburg - (one of eight projects selected by FHWA and AASHTO as best CSS management practices nationwide, 2006)
4. Route 66, Santa Monica Boulevard, West Hollywood, CA, ULI Award for Urban Design
5. Roundabout in Overland Park, Kansas - National APWA Public Works Project of the Year under \$2 Million
6. Community Plan West Fresno, CA. West Fresno Community Vision Plan - First Place Comprehensive Planning Award (Large Jurisdiction) by CCAPA Central Section
7. Traffic Calming, *The Charles A. McIntosh, Jr., Future of the Region Award of Distinction for Outstanding Achievement in the Community*, (North Greenwood Transformation) - Tampa Bay Regional Planning Council (2003). North Greenwood Neighborhood, Clearwater, FL, *Neighborhood of the Quarter Award* (Grandview Terrace neighborhood, Clearwater) – Clearwater Neighborhood Services, 2003.
8. *City Innovations Showcase 2002*, three awards: Acacia Roundabout, Traffic Calming Charrettes.
9. IMCL for converting a five lane road into a children friendly road

Membership

Fellow of the Institute of Transportation Engineers

Member Congress for New Urbanism