

Michael Moule, PE, TE, PTOE

Principal



Michael Moule has over 18 years of progressive traffic and transportation engineering experience, including traffic calming, conceptual design for “Complete Streets,” and planning improved bicycle and pedestrian facilities. His projects accommodate all modes of transportation in order to help cities and states meet their mobility, economic development, safety, and quality of life goals. He has significant innovative design experience and specializes in improving conditions for non-motorized users without degrading motor vehicle capacity. Michael routinely leads community planning processes and training sessions to give citizens the basic skills they need to develop and review street design solutions.

EDUCATION

BSE, Civil Engineering, Princeton University, 1993

EXPERIENCE

Nelson\Nygaard Consulting Associates Inc.

Principal Transportation Engineer, 2010-Present

GENERAL PROJECT EXPERIENCE

Michael Moule has completed the following projects since 2002:

- **Training Courses related to Bicycle and Pedestrian Transportation issues** for the Federal Highway Administration, state Departments of Transportation, Metropolitan Planning Organizations, and local governments. These courses include Bicycle Facility Design; Pedestrian Facility Design; the Safe Routes to School National Course; Designing for Pedestrian Safety; Complete Streets workshops; Developing Pedestrian Safety Action Plans; and Designing Pedestrian Facilities for Accessibility.
- **Design Guidelines and Standards** including the update of the AASHTO Guide for the Development of Bicycle Facilities; the update of FHWA’s Roundabouts: an Information Guide, Los Angeles County Complete Streets Design Guidelines, and Livable Communities Design Guidelines for Florida Department of Transportation District 6. Mr. Moule was the primary author of several sections of these documents. Mr. Moule was also on the review panel for ITE’s Neighborhood Street Design Guidelines: An ITE Recommended Practice.
- **Pedestrian Master Plans and Bicycle Master Plans** for communities in various parts of the country including Seattle, Washington; Mountain View, CA; Santa Monica, CA; Asheville, North Carolina; Oxford, Mississippi; and Marina, California. These projects involve reviewing conditions for bicyclists and/or pedestrians and identifying locations for shared use paths, on-road bicycle facilities, sidewalks, and enhanced street crossing opportunities. On some of these projects, Mr. Moule developed innovative designs to accommodate bicyclists or pedestrians.
- **Street Design and Reconstruction Projects** in urban areas where it is critical to address the needs of both non-motorized and motorized users. On these projects, Mr. Moule works to balance the needs of all users, often designing typical cross sections; pedestrian safety features; bicycle facilities; intersection geometry details; and signal timing, phasing, and displays. Example projects include the **Sarasota Pedestrian Sleeves Project** in Sarasota, Florida; the **Bayshore Boulevard Enhancement Project** in Tampa, Florida; **Non-Motorized Traffic Improvements at Intersections** in Columbia, Missouri; and the **Grove Park Neighborhood Sidewalk Project** in Asheville, North Carolina.
- **Shared Use Path Design** including basic geometric design, mitigation of impacts of existing constraints and obstructions, and the development of treatments to enhance the safety and convenience of path users where paths cross minor and major roadways. Example projects include **West Street Pathway** in Berkeley, CA; **Providence Trail and Stadium Trail** in Columbia, Missouri; **54th Avenue Trail** in St. Petersburg, Florida; and **Upper Tampa Bay Trail** in Hillsborough County, Florida.
- **Traffic Calming Projects** which typically included significant public involvement where Michael Moule conducted public meetings to gauge public support and obtain residents’ suggestions on the appropriate traffic calming features for their neighborhoods. Following the public meetings, Mr. Moule used the

neighbors' ideas to select appropriate traffic calming measures and design comprehensive traffic calming plans for the neighborhoods. Example projects include the **Hillsborough County Traffic Calming Management Program** in Florida; the **Grove Park Neighborhood Traffic Calming Project** in Asheville, North Carolina; **Highland Pines Traffic Calming and Crosswalk** in Tampa, Florida, and the **South Neighborhood Traffic Calming Project** in Tampa, Florida.

PREVIOUS EXPERIENCE

Livable Streets, Inc.

Founder and President, 2002 - 2011

- Michael Moule formed Livable Streets, Inc. to assist state and local governments in transforming street and highway networks to efficiently accommodate all modes of transportation.

City of Asheville, NC

City Traffic Engineer, 1999 - 2002

- Mr. Moule joined the Asheville Engineering Department to provide a balanced approach to transportation engineering for the city. He used his specific experience in non-motorized transportation combined with an overall background in traffic and civil engineering to provide the City with a transportation system that serves all users.

Oregon Department of Transportation (ODOT)

Associate Transportation Engineer, 1993 - 1999

- **Project Coordinator/Pedestrian and Bicycle Coordinator - Region 4, Bend, Oregon.**
Transferred to Region 4 to design and administer construction of the downtown portion of the Bend Parkway, an urban expressway constructed through Bend. He used his expertise in pedestrian and bicycle accommodation to minimize the negative impacts that this new facility and other projects in Region 4 have on non-motorized users.
- **Bicycle & Pedestrian Facility Specialist, Bicycle & Pedestrian Program, Salem, Oregon.**
Primary responsibility was to ensure that all construction projects on Oregon's highways included appropriate accommodations for pedestrians and bicyclists. His secondary responsibility was to work with local governments to improve conditions on their roads.

REGISTRATIONS AND CERTIFICATIONS

- Professional Engineer:
 - California (Number 77875)
 - Oregon (Number 51066)
 - North Carolina (No. 25342)
 - Florida (Number 59611)
- California Traffic Engineer (2610)
- Professional Traffic Operations Engineer (PTOE)

AFFILIATIONS

- Association of Pedestrian and Bicycle Professionals; past President
- National Committee on Uniform Traffic Control Devices; Member
- Institute of Transportation Engineers; Member
- League of American Bicyclists; Member and LCI #1150