

# FEHR & PEERS

Charles D. Alexander, PE, AICP

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## Areas of Interest

Multimodal transportation planning and engineering, multimodal safety, urban mobility, urban design, built environment-human behavior relationships.

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## Education

Bachelor of Science in Civil Engineering, Bucknell University, Lewisburg, Pennsylvania.

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## Employment

Fehr & Peers, Denver, Colorado (2014-present) and Sacramento, California (2007-2014).

- Transportation engineer, transportation planner and project manager for long-range plans, traffic engineering designs, safety studies, transit studies, traffic operations and simulation studies and traffic impact analyses.
- Project experience in Washington, California, Colorado, Nevada, New York, Utah, Virginia and Washington D.C.
- Engineer of record for numerous signing, striping and signal designs including bike lanes, buffered bike lanes cycle tracks, traffic signals and Pedestrian Hybrid Beacons relying on design standards/guidance from AASHTO's *Guide for the Development of Bicycle Facilities*, AASHTO's *A Policy on Geometric Design of Highways and Streets*, FHWA's *Manual on Uniform Traffic Control Devices*, FHWA's *Separated Bike Lane Planning and Design Guide* and NACTO's *Urban Bikeway Design Guide*.
- Long-range planning experience includes 18 bicycle, pedestrian and/or trails master plans for various built environments ranging from large cities to rural counties.
- Spent five years as the on-call transportation engineer and planner for the University of California, Davis where 46 percent of students, faculty and staff bike to campus daily. Completed over 20 projects including expansion of the University's car-free core campus, multimodal safety studies, bike path conceptual designs, transit center designs, traffic impact analyses, traffic operations studies, on-street bikeway designs, bike roundabout designs and long-range planning studies.
- Safety experience includes city/county-wide and location-specific studies throughout the western United States and in the United Arab Emirates.
- Author of uncontrolled pedestrian crossing guidelines in Denver, Colorado; Port Orchard, Washington; and Sacramento, California.

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## Instructor Experience

University of Colorado, Denver, Masters of Urban Planning Program, Adjunct Lecturer of URPL 6565 Pedestrian & Bicycle Planning, 2016-present.

University of California, Berkeley Institute of Transportation Studies Technology Transfer Program, "Complete Streets Planning and Design", Instructor, 2012-present.

- Two-day course delivered to public and private sector professionals in California.
- Developed and piloted course materials; delivered six times including five Caltrans districts.

National Complete Streets Coalition, Complete Streets Workshop Instructor, 2015-present.

- One-day courses delivered to requesting agencies nationwide.
- Recent deliveries in Hopewell, Virginia and Watertown, New York.

American Society of Civil Engineers, "Innovative Bike Treatments" and "Designing and Implementing Separated Bikeways", 2013-2016.

- Developed and delivered 90 minute Webinar series bi-annually.

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## Professional Certifications

- Professional Engineer (Civil): Washington (49778), Colorado (49117) and California (78529)
- American Institute of Certified Planners (AICP) 27421