Kevin Johnson
Senior Transportation Planner

about

Kevin has seven years of experience in transportation planning with Fehr & Peers. He has managed and provided technical oversight for various model development projects, traffic studies, highway operations projects, parking and circulation studies, "Big Data" projects, and multimodal transportation planning projects. Kevin has experience working with modeling software packages such as TransCAD, VISUM and Cube, and with micro-simulation applications such as SimTraffic, TransModeler and VISSIM. Kevin also has experience conducting large scale in-person, internet and mail surveys to gather detailed travel behavior and demographic information within a region.

He has completed traffic impact studies for large specific plans such as the Cornfield Arroyo Seco Specific Plan in Los Angeles, CA and for smaller developments such as the Sutter Health Medical Facility in Elk Grove, CA. Kevin has developed several citywide travel demand models including models for the City of Dublin, City of Roseville, City of Woodland, City of Grass Valley and City of Los Angeles, and is currently providing technical oversight for the development of travel demand models for the City of Burbank and the City of Pasadena. Kevin has also developed area-specific travel demand models for the Westside Mobility Plan in West Los Angeles, various Community Plan Areas throughout Los Angeles, and the Temecula Wine Country in Riverside County. He has also developed travel demand models for numerous infrastructure and land development projects such as the SR 65/Pleasant Grove Boulevard interchange, the I-5 Bus/Carpool Lanes projects, the LAX Specific Plan Amendment Study and the USC Master Plan.

He has worked extensively with travel demand models throughout California and has integrated model refinement procedures such as the 4Ds methodology, direct ridership forecasting, and transportation demand management quantification strategies, as well as conducted numerous static and dynamic model validation tests. Kevin has also recently starting working with various "Big Data" providers in an effort to gather information on the travel behavior of people that can be used to supplement the California Household Travel Survey (CHTS) and to help calibrate travel demand models to observed travel behavior data rather than just traffic counts. He has worked with cell phone origin-destination data to obtain the travel patterns of people within a region as well as with travel speed data to understand where and why traffic congestion occurs as well as to calibrate and validate micro-simulation models.

education

Bachelor of Arts in Geography with a minor in City Planning, University of California Berkeley, 2005

affiliations

American Planning Association (APA)

expertise

- Travel Demand Modeling
- Microsimulation
- Operations Analysis
- Traffic Impact Studies
- Smart Growth
- 4Ds
- Transportation Demand Management
- Cell Phone Origin-Destination Data
- Travel Surveys
- Fixed-Guideway Transit Planning
- Transit Ridership Forecasting

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100 Pringle Avenue
Suite 600
Walnut Creek, CA 94596
925.930.7100