



# Sohrab Rashid, TE

PRINCIPAL

San Diego/Hawaii Office Leader

## about

Sohrab is a registered Traffic Engineer in California with nearly 30 years of experience in transportation planning and engineering. He has served as Principal in Charge or Project Manager for numerous high-profile transportation projects throughout Hawaii, California, and internationally. Sohrab has managed or directed the preparation of active transportation planning and engineering studies, traffic impact analysis reports, project development studies for state facilities, circulation elements for general and specific plans, regional transportation plans, transit planning studies, and traffic operations reports. His varied experience also includes travel demand forecasting, traffic micro-simulation, travel surveys, transit station area planning, and traffic calming. He is currently the Office Leader of the firm's San Diego office, and oversees projects across Hawaii, in San Diego County, and in other western states. He also has extensive experience working in the Pacific Rim, including in China, Singapore, and Guam.

## education

B.S. Mechanical Engineering, San Jose State University, 1988

## affiliations

- Institute of Transportation Engineers (ITE)
  - South Bay Transportation Officials Association – ITE Chapter in San Jose (President 2004)
- American Planning Association (APA)
- Women's Transportation Seminar

## registrations

Licensed Traffic Engineer, State of California (TR1845)

## publications & presentations

- Sustainable Transportation and Land Use Planning in a Changing Environment, Nanning, China, December 2010
- Estimating Trip Generation for Transit-Oriented Developments (TODs), ITE Technical Conference, 2007
- Co-Instructor for Fehr & Peers Academy – Transportation Impact Analyses – 2005-2009
- Guest Lecturer, San Jose State University – Transportation Planning Courses, 2004 to 2009
- Panelist for Transportation and Land Use Interaction – Moderated by State Senator Joe Simitian, 2006

## expertise

- Sustainable/Active Transportation
- Traffic Engineering
- Transportation and Land Use Integration
- Transit Station Area/TOD Planning
- Parking Studies
- General and Area Specific Plans
- Residential Traffic Management
- Campus Planning
- Traffic Operations and Simulation

## project experience

### **H-1 Corridor Planning Study (Honolulu, HI)**

Fehr & Peers was a key subconsultant and Sohrab, as Project Manager, helped to identify near-, mid-, and long-term projects to improve corridor operations and minimize congestion within the H-1 freeway corridor. Projects included capacity enhancements, safety improvements, modified/modernized interchanges, new ramp connections, ITS strategies, TDM strategies, and replacement of structures. In addition, the study examined improvements to parallel and feeder facilities to appropriately distribute regional and local traffic volumes. A list of screened candidate projects was developed and specific projects were analyzed using



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forecasts from the OahuMPO travel demand model and GPS and travel time data to address expected congestion benefits and project refinement. A recommended program of prioritized improvements was identified and the study included associated preliminary cost estimates, as well as potential right-of-way and environmental impacts (prepared by others).

**Urban Core Complete Streets Study (Honolulu, HI)**

Sohrab is serving as Principal-in-Charge for the planning and 30% design plans for implementing complete streets improvements on 16 miles of roadway within the primary urban center of Honolulu. For a subset of these roadways, our team is preparing 100% plans suitable for construction of interim improvements that can be integrated with on-going re-paving and re-striping projects. The purpose of the project is to significantly enhance the bicycle and pedestrian network, as well as to improve transit stop access and vehicular safety. Proposed improvements include new protected and standard bikeways, curb extensions, crosswalk safety features, modified signal phasing, and traffic calming devices; all through a reallocation of street space to better balance facilities and enhance safety for all users. The potential effect of these improvements will be evaluated in a comprehensive mobility assessment, which includes extensive data collection and multi-modal performance metrics.

**Ala Moana and Halawa Area Transit-Oriented Development Studies (Oahu, HI)**

Fehr & Peers is assisting RTKL with TOD planning studies for two stations on the rail transit corridor that is currently under construction in Honolulu. Sohrab is leading the transportation planning effort that involves a constraints and opportunities evaluation and a trip generation analysis of three land use alternatives around both planned stations. Recommendations to enhance multi-modal access and improve overall mobility are being developed to support the preferred plan.

**Ewa Transportation Impact Fee Update (Oahu, HI)**

Per city ordinance, the original 2005 impact fee was updated to identify required roadway improvements for Year 2020 conditions in the primary future growth area of Oahu. The process involved an update of existing or baseline conditions and development of a sub-area travel demand forecasting model based on the regional model maintained by the Oahu Metropolitan Planning

Organization (OahuMPO). Future volumes were forecast and used to identify anticipated operational deficiencies. Cost estimates for improvements with an escalation factor were used to update the fee schedule and ordinance.

**Waikapu Country Town (Maui, HI)** – Under Sohrab's direction, Fehr & Peers completed the draft TIAR for the proposed mixed-use development located south of Wailuku and Kahului. The proposed community will include approximately 1,400 dwelling units and 200,000 square feet of integrated commercial development plus schools and parks. A key aspect of this study was an update of the State's Long Range Land Transportation Plan model to include the most recent approved and planned development and roadway infrastructure.

**Villages of Leiali'i (Lahaina, Maui, HI)** – Sohrab oversaw Fehr & Peers' preparation of the transportation impact analysis report (TIAR) for the proposed development of a new 2,900-unit residential development with supporting retail and community-serving uses in West Maui. The study identified the improvements needed to support the proposed project including coordination with the Lahaina Bypass.

*Other Representative Hawaii Projects:*

- Waiawa Solar Construction Traffic (Oahu, HI)
- Central Oahu Transportation Study (Oahu, HI)
- Kawaihae Mini-Bypass Study (Waimea, HI)
- Central Maui Landfill Site (Kahului, HI)
- Pearlridge Transit Center Design (Oahu, HI)
- Waipahu Rail Connectivity Study (Oahu, HI)
- Nanakuli Village Center (Oahu, HI)
- Kalaeloa FBI Building TIAR (Oahu, HI)
- Kamakana Villages (Kailua-Kona, HI)

*Other Representative Projects:*