

Boster, Kobayashi & Associates

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MATTHEW D. MANJARREZ, P.E., P.T.O.E.

Curriculum Vitae

EDUCATION:

B.S. Civil Engineering, California Polytechnic State University
San Luis Obispo, 1995

REGISTRATION:

Registered Professional Civil Engineer
State of California
Certificate Number C58564

Registered Professional Traffic Engineer
State of California
Certificate Number TR2086

CERTIFICATION:

Certified Professional Traffic Operations Engineer
Transportation Professional Certification Board
Certificate Number PTOE963

PRESENT POSITION: September 2003 to present

Associate of Boster, Kobayashi & Associates, a consulting firm specializing in the technical aspects of traffic engineering, accident reconstruction, human factors, and injury causation. Typical assignments involve traffic safety, highway design, roadway construction, highway maintenance, and traffic engineering.

Serves as Traffic Engineering Subject Matter Expert for the California Board for Professional Engineers and Land Surveyors (Since 2005)

PROFESSIONAL SOCIETY MEMBERSHIP:

Institute of Transportation Engineers, Member (ITE)
Member Traffic Engineering Council
Member Transportation Safety Council
Member Transportation Expert Witness Council
American Society of Civil Engineering (ASCE)
Chi Epsilon, National Civil Engineering Honor Society

RESPONSIBLE POSITIONS:

From June 1995 to September 2003:

Employed by Fehr & Peers Associates. Advanced to an Associate with the firm serving in several capacities as Associate-in-Charge of Selected Projects, Senior Project Manager, and Deputy Office Manager. This professional experience is summarized below.

Oversight: Served as Associate-in-Charge or Project Manager for a wide range of projects both in size and complexity. Primary responsibility was to ensure client satisfaction, provide quality assurance, and maintain professional integrity. Responsible for oversight of more junior project managers on small to mid-sized projects. Senior Project Manager for large and complex projects. Led and managed the following elements of projects: identification of work program, monitoring quality, coordinating project staff, and completion of project on time and within budget. Served as primary representative of the firm at meetings on policy issues and complex technical issues including public hearings at City Councils, Planning Commissions, Public Workshops, Neighborhood Meetings, etc.

Served as Deputy Office Manager for Fehr & Peers' regional office in Lafayette, CA. Responsible for oversight of over 25 professional and support staff members. Primary responsibilities included: staff workload management and allocation; oversight of inter-office staffing needs; staff performance; coordination and execution of staff performance evaluations; coordination of recruiting efforts. In addition, responsible to support Office Manager in overall office management and financial performance.

Traffic Engineering Design: Project Manager or Design Engineer for preparation of plans, specifications and estimates (PS&E) for traffic signals, lighting, ramp metering, sign illumination, pavement delineation, and signing for approximately 50 intersections and/or other highway facilities. PS&E packages prepared according to both Caltrans and local agency requirements.

Capital Improvement Implementation & Traffic Management: Project Manager responsible for transportation and traffic planning for several large-scale capital improvement projects. The projects consisted of major infrastructure construction including roadway widening, new roadways, and underground utilities. Worked directly with the project proponent and the responsible agencies as part of an interdisciplinary team to design, plan, and implement the projects. Developed Construction Traffic Management Plans. Transportation and traffic related logistics issues that arose during multi-year construction periods were identified and solutions implemented as construction proceeded. Construction logistics such as employee parking, delivery routes, detour routing, road/lane closures were assessed.

RESPONSIBLE POSITIONS: (continued)

Bicycle Facilities Planning & Design: Prepared bikeway master plans. Prepared plans, specifications, and estimates (PS&E) for signing and striping plans to implement bicycle facility improvements. Developed improvement plans to identify constraints and opportunities for bicycle plans. Developed detour and temporary facility plans during roadway construction.

Parking Planning & Design: Performed parking and circulation analyses for individual projects and large roadway networks. Designed alternative parking lot layouts to address adequate circulation, truck access, design constraints, and parking space requirements.

Project Development & Environmental Clearance: Project Manager or Associate-in-Charge for several Caltrans and local agency project development and/or environmental clearance projects including Project Study Reports, Project Reports, Initial Studies, and Environmental Impact Reports. Project elements included traffic operations analysis, mitigation identification, evaluation of construction impacts, traffic management plan development, and mitigation monitoring techniques.

General, Master, & Specific Plans: Project Manager or Associate-in-Charge on several site planning projects including General Plans, Master Plans, and Specific Plans. Project elements included assessment of infrastructure needs; development of parking and transportation demand management strategies; evaluation of project implementation schedules; and identification of access and circulation enhancements.

Traffic Impact Studies: Project Manager or Associate-in-Charge on several traffic impact studies for new developments and site expansions, including project trip generation and distribution, intersection operation and capacity analyses, freeway operation and capacity analyses, site access, parking, circulation, and safety analyses.

PUBLICATIONS & PRESENTATIONS:

Traffic Control Devices & Design Liability, Lecture, 2005, City of Oakland

Timed Zone, Transportation Management & Engineering, January 2004

Traffic Impact Fee Programs, Lecture, 2003
California Polytechnic State University in San Luis Obispo

Too Slow in the Cone Zone?: Quick-Response Construction Traffic Management, ITE 2003
Annual Meeting Compendium of Technical Papers

Transit Terminal Operations, Lecture, 2001 & 2002
California Polytechnic State University in San Luis Obispo

Design and Implementation Criteria for Residential Traffic Calming Devices, ITE 1998
International Conference, Monterey, California

SPECIALIZED TRAINING

Transportation Project Permit Procedures – 2005
Caltrans

Western Regional Highway – Rail Grade Crossing Training Conference – 2005
UC Berkeley Tech Transfer Program

HVE Forum – 2004
Engineering Dynamics Corporation

In-House Training Courses – 1998 – 2003
Fehr & Peers Associates

Including:

- Transportation Funding Project
- California Environmental Quality Act/National Environmental Policy Act
- Traffic Signal Design & Operation
- Transportation Project Development
- Context Sensitive Transportation Design