

# Boster, Kobayashi & Associates

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## RICHARD K. HAYGOOD, P.E.

### Curriculum Vitae

#### **EDUCATION:**

M.B.A. UCLA Graduate School of Management

B.S. Engineering, University of California, Los Angeles

#### **PROFESSIONAL REGISTRATION:**

Registered Professional Civil Engineer #C39596, State of California  
Registered Professional Traffic Engineer #TR1424, State of California

#### **PRESENT POSITION:** June 2014 to present

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

#### **PROFESSIONAL AFFILIATIONS/ACHIEVEMENTS:**

- Past President, Institute of Transportation Engineers (ITE) San Francisco Bay Area Section
- Graduate of Community Leadership Redwood City – San Mateo Co. Chamber of Commerce

#### **PREVIOUS POSITIONS:**

##### **DIRECTOR OF TRAFFIC/MULTIMODAL STUDIES, TJKM Transportation Consultants, Pleasanton, CA, 2007- May 2014**

Directed and managed all aspects of transportation planning/engineering studies and numerous on-call services engagements, including data collection, technical analysis, report preparation, client liaison, budget and schedule monitoring, and public meeting presentations. Prepared proposals and lead selection interview presentations. Conducted business development, including tracking leads and contacting prospective clients and project teaming partners. Supervised professional staff, assigned projects and monitored workload. As part of senior management team, participated in strategic planning for the firm and personnel decisions.

Projects managed included transportation impact and planning studies, traffic demand forecasting, traffic operations and engineering analyses, site circulation and parking demand analyses, and preliminary plans and plans, specifications and estimates (PS&E) packages for multimodal traffic control devices, for state and local agencies and private developers.

**PREVIOUS POSITIONS (continued):**

Example projects include:

**Multimodal Traffic Control Studies/Design**

- Mary Avenue Roadway Space Allocation Study, Sunnyvale
- Mountain View High School Traffic and Transportation Study, Mountain View
- Brewster Avenue/Broadway Bicycle Facility Alternatives and PS&E, Redwood City
- Willow Road & University Avenue Traffic Operations Improvements, San Mateo County
- Review Traffic Control Plans for SFPUC Pipeline Upgrade Project, Redwood City

**Traffic Impact Studies (TIS)/Environmental Impact Reports (EIRs)**

- Various Commercial and Residential Developments TIS, Los Gatos
- Mountain View-Los Altos High Schools Expansions Traffic, Parking & Circulation Study
- Lafayette Downtown Specific Plan EIR
- Grafton Plaza Mixed-use Development TIS, Dublin
- Aptos Village Mixed-use Development TIS, Santa Cruz County
- Terraces Apartments Development EIR, Lafayette
- Alameda Station Retail Center Development, Alameda
- Marina Cove II Residential Development, Alameda
- Buena Vista Biomass Power Plant TIS, Amador County
- Walgreens Store Developments – Orland and Contra Costa County

**Transportation Forecast Modeling**

- Redwood City Citywide Travel Demand Forecasting Model and General Plan Forecasts
- East of 101 Traffic Forecast Model and Study, South San Francisco

**TRAFFIC ENGINEER, City of Redwood City, CA, 1997-2007.**

- Managed the Traffic Engineering section, including supervision of professional staff, and selection and supervision of consultants.
- Participated in planning and designing the traffic, parking, and pedestrian circulation aspects of Downtown Revitalization, including successfully completed Cinema/Retail development.
- Reviewed site development project plans for circulation and parking impacts and mitigations, and compliance with design standards. Directed the scope and reviewed the results of traffic and parking studies prepared by consultants, including EIRs for various major site developments.
- Supervised preparation of PS&E for traffic control devices and roadway improvements.
- Directed consultant team and participated in preparation of City's first Citywide Traffic Mitigation Fee Study. Managed implementation of Traffic Fee Program.
- Participated in planning and design of large-scale projects, including Caltrans project development process for major interchange and highway improvements.
- Represented City on regional transportation planning technical committees convened by the City/County Association of Governments of San Mateo County (C/CAG).

**PREVIOUS POSITIONS (continued):**

- Managed development of school site access safety improvement plans, including facilitation of working group consisting of a City Councilmember and representatives from Police, Public Works, and school district transportation departments along with school staff and community members at each site.
- Co-developed City's Traffic Calming Program, including criteria for speed humps and stop signs on low-volume residential streets. Managed implementation of program in diverse neighborhoods. Directed pilot program of special speed awareness message signs.
- Responsible for addressing traffic operations, safety, and parking issues raised by citizens. Managed field investigations, analysis, report preparation, correspondence with public, meetings, and implementation of authorized actions. Directed development of database to track status of requests/issues and their resolution.
- Prepared reports and made presentations to City Council, Planning Commission, and to neighborhood and business groups.

**CIVIL ENGINEER (TRAFFIC/TRANSPORTATION), City of West Sacramento (CA) Engineering Division, 1995-97.**

Managed the Traffic Engineering section, including hiring and supervision of professional staff. Participated in planning and design of large-scale projects, including coordination with Caltrans on project development for major interchange and highway improvements. Supervised preparation of PS&E for traffic control devices and roadway/pavement improvements. Reviewed development project plans for circulation impacts and mitigations, and compliance with design standards. Identified State and Federal funding sources through active communication with regional (SACOG) and county planning agencies and air quality district (YSAQMD), and prepared applications. Responsible for staff support of Traffic Committee to address traffic operations and safety issues, including field investigations, analysis, report preparation, correspondence with public, conducting meetings, and implementation of approved actions. Prepared reports and made presentations to City Council.

**Key Achievements Include:**

- Prepared successful applications for State TSM and Clean Air Funds for roadway projects.
- Managed funding, PS&E and construction of \$900,000 interchange signal/lane improvement. Established parameters for site development traffic studies in the City's major growth area.
- Developed the City's reduced stop sign warrants for low-volume residential streets.

**SENIOR TRANSPORTATION ENGINEER, TTE, Alameda, CA, 1993-95.**

Projects:

- Freeway, interchange, and local arterial traffic operations analyses for the ACTA Routes 580/680 Interchange Project to evaluate the project alternatives for environmental clearance.
- Route adoption study for proposed Route 58 freeway in west Bakersfield, including analyses of freeway weaving, ramp merges/diverges, and arterial operations for multiple alternatives.
- HOV Lane Gap Closure Study on Route 101 in Marin County, including analyses of mixed-flow and HOV lane travel times and delays for various project phases and horizon years.

**PREVIOUS POSITIONS (continued):**

**ASSOCIATE, Fehr & Peers Associates**, Lafayette, CA, 1992-93.

Key projects included:

- Traffic impact studies for retail and residential projects in Antioch, Merced, and Pacifica.
- Medical center master plans for Kaiser and John Muir hospitals in Walnut Creek, CA.
- Roadway network planning for West Tracy Area, Tracy, CA.
- Roadway improvement design and traffic operations studies in Danville and Moraga, CA.
- Freeway interchange conceptual planning for State Route 99 at Mitchell Road in Ceres, CA.

**PROJECT MANAGER, Omni-Means Engineers**, Walnut Creek, CA, 1989-92.

Key projects:

- City-wide circulation planning study for Benicia, CA.
- Regional shopping and mixed-use centers in Livermore and Pleasant Hill, CA.
- Large-scale, mixed-use area plans in Livermore, Patterson, and Benicia, CA.
- Institutional developments, including BART station parking expansion projects in Walnut Creek and Oakland, University housing and academic buildings in Berkeley, EBMUD water utility maintenance center in Oakland, and high school renovations in Pleasanton, CA.
- Commercial, industrial, and residential projects throughout northern California.
- Freeway interchange Project Study Report for I-680 at Lake Herman Road, Benicia, CA.

**TRANSPORTATION ENGINEER, SR Associates**, Newport Beach, CA, 1987-89.

Directed and managed all aspects of traffic engineering/planning studies, including commercial development, schools, and a hospital located in urban Los Angeles settings. Involved in many of the firm's public transit, paratransit, and demand management projects. Prepared detailed written proposals for public sector projects on a consulting basis for private transportation providers bidding on operations contracts. Participated in editorial management of PTI Journal, a bi-monthly magazine covering public transportation innovations; duties included writing and editing articles, collecting topical information, and preparing promotional materials.

- Achievements Include: Developed contractor cost modeling software that summarizes line item costs into four general variable categories to determine transit vendor compensation. Presented a paper discussing this model to the Transportation Research Board.

**COMMUTE MANAGEMENT MARKET RESEARCHER, Caltrans District 7**, Los Angeles, CA, 1986.

Evaluated marketing programs of Commuter Computer in Los Angeles and Commuter Network in Orange County regarding promotion of ridesharing and other transportation demand management methods. Interviewed managerial staff regarding existing goals, services, promotions, and program effectiveness. Analyzed programs and recommended improvements. Prepared report for state and federal agencies funding these programs.

**PREVIOUS POSITIONS (continued):**

**ASSISTANT TRANSPORTATION ENGINEER, City of Beverly Hills (CA) Department of Transportation, 1980-85.**

Conducted traffic and parking studies and prepared reports to elected officials. Performed project administration for construction of traffic control devices; supervised preparation of plans and specifications, and monitored progress of work. Administered taxi and valet parking regulations; recommended changes in procedures and regulations, which improved operations.

**Key Projects Included:**

- Design of traffic control devices for Wilshire Boulevard Traffic Improvement Plan, including traffic signals, roadway striping, signage, median barriers, and parking controls.
- Design of complete traffic signal reconstruction at major intersection of Wilshire Boulevard and Beverly Drive.

**ENGINEERING ASSISTANT, Linscott, Law & Greenspan, Inc., Los Angeles, CA.**

Organized traffic and parking field studies, including traffic counts, parking inventories and occupancy counts. Supervised teams of up to 20 people. Projects included traffic impact studies for major developments in southern California, and a comprehensive parking study of the Hollywood Central Business District.