

Boster, Kobayashi & Associates

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JOHN H. SQUIER, P.E.

Curriculum Vitae

EDUCATION:

Bachelor of Science in Civil Engineering, Drexel Institute of Technology

REGISTRATION:

Registered Professional Civil Engineer, CA Certificate No. C 18660
Registered Professional Traffic Engineer, CA Certificate No. TR 2082

CERTIFICATIONS

Doppler Traffic Radar Operator, 2002

COMMITTEES:

Alternate Member of the California Traffic Control Devices Committee - 1999 - 2001. This committee is responsible for recommending updates and revisions to the CalTrans Traffic Manual.

PRESENT POSITION: September 2003 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, traffic engineering and highway design, construction and maintenance.

RESPONSIBLE POSITIONS:

WILLDAN

2001 to 2003 Senior Engineer

Part time traffic engineering for a consulting firm serving public agencies. Assignments included city traffic engineer, E & T surveys, traffic investigations, review of traffic control in construction zones, signal design, striping and signing design, and traffic impact analysis reviews.

RESPONSIBLE POSITIONS: (continued)

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS / ROAD DEPARTMENT

1998 – 2001 Assistant Deputy Director

Traffic and Lighting Division (TNL) - 1 year - In charge of traffic investigations, traffic design, traffic studies and accident investigation for approximately 4000 miles of county and city roads and 1500 signals in the unincorporated county and its contract cities. As Division Head of TNL, managed a staff of approximately 119 professional, technical and administrative personnel, responsible for all traffic related matters in the unincorporated county, and specifically assigned traffic functions in five cities. Member of Department's Litigation Action Plan Steering Committee (1993-2001)

Operational Services Division (OSD) - 2 years - In charge of traffic operations for the unincorporated county and its contract cities, and the Department's warehousing, procurement and craft operations. As Division Head of OSD, managed a staff of approximately 300 professional, technical, craft, administrative, clerical, skilled and laborer personnel, of which about 170 were involved in traffic operations. Member of steering committee for Department's new maintenance management system.

1993 – 1998 Supervising Civil Engineer IV

OSD - In charge of the Technical Services Section responsible for traffic operations and electrical crafts, and the Department's 24-7 dispatch operation (until October 1994). As Section Head, responsibilities included managing the County's signing, marking, and striping maintenance, installation and records for about 130,000 signs, 1,400,000 square feet of pavement markings, 500,000 lineal feet of curb markings and 1900 miles of striping; and traffic signal maintenance, in-house construction and records for about 1500 traffic signals. Projects during this time included developing a cost saving traffic signal maintenance program, and responsibility for the traffic operations development portion of the Department's new maintenance management system.

1987 – 1993 Supervising Civil Engineer III

TNL - 4 ½ years - In charge of the Traffic Design Section responsible for signal and geometric design and investigations; striping, signing and marking plans; road construction traffic control plans; intersection operational capacity analysis; accident concentration analysis; and multi-jurisdictional traffic signal synchronization. Large projects during this period included Los Angeles County's First Five-year Traffic Signal Synchronization Program involving 780 intersections on 39 routes through 58 cities at a cost of approximately \$17 million, and geometric and signal design/interconnect for the Route 101/Parkway Calabasis freeway interchange modernization.

Land Development Division - 1 ½ years - In charge of the Road, Sewer and Water Section responsible for setting improvement conditions and reviewing/approving development plans for road, sewer and water improvements in the unincorporated county.

RESPONSIBLE POSITIONS: (continued)

1975 – 1987 Supervising Civil Engineer II

TNL - 4 ½ years - Supervise the Geometric Design Unit responsible for geometric recommendations ranging from access investigations to freeway interchange layouts; signing, striping and marking plans; parking investigations and designs; bicycle path and lane geometrics; and bicycle marking, striping and signing plan.

Road maintenance Division (RMD) - 7 ½ years - Assistant District Engineer for a road maintenance district responsible for maintaining over 800 miles of county and city roads. Responsibilities included the safety program, review of maintenance operations and plans and review of small road improvement designs.

1970-1974 Supervising Civil Engineer I

Various assignments in RMD, including supervision of a road design squad and a street sweeping crew, Department's disaster assistance coordinator, coordination of road maintenance programs and staff support for the County Energy Commission.

1965-1970 Various positions

Assignments included road design, construction inspection, pavement design, bituminous and soils testing, and highway feasibility studies to support the Highway Element of the County General Plan.

PROFESSIONAL SOCIETY MEMBERSHIPS:

Institute of Transportation Engineer, Member
Member of Expert Witness Council of ITE

SPECIALIZED TRAINING AND EXPERIENCE

- *Safety Analysis: Signalized Intersections* through ITE Online Learning Gateway
- Subject Matter Expert for examination development of the California Traffic Engineer's exam, May 22-23, 2003, May 1-2, 2008, May 27-28, 2009 and March 29-30, 2010
- Los Angeles County MTA Advisory Council for the *Signal Operations and Maintenance Training Project*
- *Fundamentals of Traffic Signal Design* by UC Extension, Institute of Transportation Studies
- *Traffic Congestion: Causes, Symptoms and Mitigation* by UC Extension, Institute of Transportation Studies
- *Safety Through Construction and Maintenance Zones* by UC Extension, Institute of Transportation Studies
- APWA video conference *Using Asset Management Systems to Protect Investments: New Concepts and Solutions for Managing our Oldest Assets*
- Los Angeles County Road Department course in *Managing Road Maintenance*