

# Boster, Kobayashi & Associates

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59 Rickenbacker Circle  
P.O. Box 2049  
Livermore, CA 94551-2049

Office: (925) 447-6495  
Fax: (925) 447-6589

## RONALD M. SHIELDS, P.E.

### Curriculum Vitae

#### **EDUCATION:**

B.S. Civil Engineering, University of California – Berkeley, 1960

#### **REGISTRATION:**

Registered Professional Civil Engineer  
State of California  
Certificate No. C 14,360

Registered Professional Traffic Engineer  
State of California  
Certificate No. TR 934

#### **PRESENT POSITION:** August 1997 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.

#### **RESPONSIBLE POSITIONS:**

From January 1995 to September 1995:

Interim Director of Public Works employed by the City of Belmont. The Department of Public Works is responsible for the city engineer's activities including land development conditioning, implementation of the annual CIP, street and traffic planning, operations and maintenance, storm sewer programs including NPDES activities, sanitary sewer improvements and maintenance, transportation programs, city fleet management, and other general public works activities. The 25 member staff include professional engineers, administrative staff, heavy equipment mechanics, heavy equipment operators, and road and sewer maintenance workers.

From October 1994 to January 1995:

Assistant City Engineer (Associate Engineer) employed by the City of Hercules. Responsibilities were primarily roadway projects having State Local Transportation Partnership Programs funds including one having State Bikeway Funds. Consultants would perform the preliminary design, EIR and PS&E and the city would handle the project advertisement and award. Additional projects included land development conditioning, issued encroachment permits, performed traffic-engineering services and managed consultant contracts.

**RESPONSIBLE POSITIONS:** (continued)

From August 1974 to July 1993:

Deputy Director – Roads Operations employed by Santa Clara County Transportation Agency. The Roads Operations Division of the County Transportation Agency was responsible for ensuring the integrity of the county maintained road system including associated land development conditioning and functions as a public works department within the agency. With an annual budget of \$20M, the Deputy Director – Roads Operations (Executive Management position) was responsible for directing a staff of 253 positions which include professional engineers, surveyors, traffic engineers, engineering technicians, clerical staff, electrical/electronic technicians, heavy equipment mechanics, heavy equipment operators and road maintenance staff. Many of the programs that were developed and implemented during my tenure were: Pavement Management System with MTC, Annual Storm Inlet/culvert Cleaning Program & other NPDES Activities, BI-Annual Bridge Inspection Program, Congestion Management Intersection Evaluation (CMA), Annual Chip Seal Program, Annual Herbicide Program, and Signal Synchronization Implementation Program.

Responsibilities included representing the agency with City Departments of Public Works, Sanitation Districts, Santa Clara County Water District, Caltrans, MTC, FEMA, State OES, various fire departments and various police agencies. Various roadway safety projects and consultant contracts were administered by Road Operations staff under my supervision.

From March 1967 to August 1974:

Traffic Engineer (Senior Civil Engineer) employed by The Santa Clara County Department of Public Works. Responsible for roadway safety and operational programs on the 750-mile road system including the recently completed 70-mile county expressway system. Coordinated traffic engineering activities with CalTrans, 15 cities, utility companies and various community organizations.

From January 1960 to March 1967:

Highway Design Engineer employed by the Santa Clara County Department of Public Works. During my engagement as a Highway Design Engineer for 7 years, responsibilities included planning, engineering and preparing numerous capitol improvement projects, ensuring right of way clearance, coordination with 15 cities, CalTrans, Southern Pacific Railroad Company and the various utility companies. Roadway improvement projects included multi-lane expressways, major arterials, rural roads and mountainous roads.

**SPECIALIZED TRAINING AND EXPERIENCE:**

Western Regional Grade Crossing Safety Training Conferences – 2006  
Railroad crossing design, preemption, human factors, Rails with Trails, MUTCD workzones  
University of California Berkeley / Federal Railroad Administration