

Boster, Kobayashi & Associates

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Julie Gonzalez, P.E.

Curriculum Vitae

EDUCATION:

Bachelor of Science, Electrical and Computer Engineering 1986
University of California, Santa Barbara

PROFESSIONAL REGISTRATION:

Registered Professional Electrical Engineer, License # 14784

PRESENT POSITION:

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

PREVIOUS POSTIONS:

Electrical Operations Branch Chief 1998-2022

California Department of Transportation, District 5, San Luis Obispo, Traffic Operations Division

- Responsible for Traffic Signal Timing for over 330 intersections and one-way emergency Traffic Signals, make signal timing changes because of legislation or changes to the CA MUTCD
- Perform and review Traffic Signal Warrant Analyses
- Responsible for Ramp Meter Programming
- Manage the implementation of the District's Traffic Management System including Closed Circuit Television, Microwave Vehicle Detection Systems, Changeable Message Signs and Video Wall
- Responsible Charge for Electrical Design for Minor and Maintenance projects
- Review all other electrical design projects
- Review and provide input for safety investigations involving electrical traffic elements

- Participate in Asset Management related to Electrical Inventory
- Communicate with the public and public officials
- Review all encroachment permits with electrical work
- Consult with construction and Central Region Electrical Design, provide recommendations
- Develop Non-Standard Special Provisions for Electrical Systems
- Manage and oversee the Traffic Census Program
- Manage and oversee the Integrated Maintenance Management System (IMMS) for Electrical Systems Inventory
- Manage and oversee the Signal and Lighting Coordinator for Utility Accounting and Inventory

Associate Electrical Engineer 1991-1998

California Department of Transportation, District 5, San Luis Obispo, Traffic Operations Division

- Perform Traffic Signal and Lighting Design for Minor, Major and Maintenance Projects
- Determine and implement Traffic Signal Timing
- Perform Traffic Signal Warrant Analyses, prioritize new traffic signal installations
- Review and provide input for safety investigations involving electrical traffic elements
- Communicate with the public and public officials

Electrical Engineer 1986-1991

California Department of Transportation, District 7, Los Angeles and District 5, San Luis Obispo Traffic Operations, Construction and Traffic Design Divisions

- Participated in an electrical engineering rotation program including Electrical Design, Electrical Construction, Traffic Signal Operations, Ramp Meter Programming and Software Writing (District 7)
- Perform Traffic Signal and Lighting Design for Minor and Major Projects (District 5)
- Perform Traffic Signal Warrant Analyses (District 5)
- Perform Electrical Construction Inspection (District 5)

Statewide Committees and Team Participation:

California Department of Transportation

- Efficiency Team for Traffic Census – participate in the process for improvement - 2015
- Traffic Signal Operations Business Plan – contribute, review and comment – 2015
- Electrical Engineering Academy – contribute, participate, review and comment -2018
- Traffic Signal Operations Manual – contribute, review and comment - 2019
- Functional Managers Teams: Traffic Signal Operations, Traffic Management Systems (Operations and Maintenance), Traffic Census - 2015-2022