

Resume

Richard W. Shepard, P.E.

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EDUCATION:

BS Engineering 1979, University of California at Los Angeles (UCLA), Cum Laude

EXPERIENCE:

2016 – present Consultant/Dispute Resolution Board Member

Executive level consultant providing engineering and management oriented services. I am also an active member of the Caltrans Certified list of Dispute Resolution Board Members and an active member of the Dispute Resolution Board Foundation. I have recently served on the following DRBs:

DRB: Bridge Replacement Project, Hwy 49 over South Fork American River.

Contractor: MCM Construction, Inc.

Owner: Caltrans

DRB: Bridge Replacement Project, Santa Fe Ave over Tuolumne River

Contractor: Myers and Sons Construction

Owner: Stanislaus County

DRB: Pavement Rehabilitation Project, Kern County Hwy 58.

Contractor: Security Paving, Inc.

Owner: Caltrans

DRB: Water Meter Replacement Project

Contractor: Granite Construction

Owner: City of Sacramento

DRB: Pavement Rehabilitation Project, Monterey County Hwy 101

Contractor: Papich Construction Company

Owner: Caltrans

DRB: Bridge Cosumnes River Replacement, CMGC Project 03-0F280
Sacramento, Rte 99

Contractor: Granite Construction

Owner: Caltrans

DRB: 24th Street Rehab

Contractor: Griffith Company

Owner: City of Bakersfield

DRB: Bridge Replacements, 02-4G41U4, 02-SHA-5 (Sims Rd & Crag View)

Contractor: JF Shea Construction

Owner: Caltrans

DRB: Enos Roundabout

Contractor: Griffith Company

Owner: City of Bakersfield

Other Consultant Work:

Consultant support to City of Elk Grove and the City of San Pablo through Willdan Engineering

San Joaquin Regional Transit District – Special Projects Engineer

**2009 – 2015 Public Works Director
City of Elk Grove**

After the City incorporated in 2000, I was hired as the first city employed Director of Public Works. I was responsible for building a Department that relied heavily on a private contract model to deliver all the services provided including Solid Waste, Public Transit, Project Delivery of all Capital Projects, and the Operating, Planning, Design, Construction, and Maintenance of the 500 miles of streets and the City's Storm Drain System. Annual operating budget exceeded \$30 Million/yr. 5-year Capital delivery program exceeded \$250 million.

During my tenure over \$130 Million of capital construction activity occurred. I created a culture within the Department focused on customer service and a "can-do" spirit.

Reason for Leaving: Retired from public service after 38 years

**2005 – 2009 Director of Transportation
El Dorado County**

I was responsible for all aspects of managing the Department of Transportation. Responsibilities included Operating, Planning, Design, Construction, and Maintenance of the County's 1,100 miles of roads and drainage network. The size of the Department was over 230 staff and its annual operating budget exceeded \$40M. Before I was appointed as the Director, the Department's project delivery was delivering only about \$6 million/year. During my tenure the project delivery was increased to over \$25 million/year.

Reason for Leaving: Left for the opportunity to build a new origination in the City of Elk Grove

**1978 – 2005 Various Engineering Positions
Caltrans**

I have more than 28 years of experience with the California Department of Transportation as a Bridge Engineer. I am experienced in a broad range of areas from the design, construction and maintenance of specific bridges to the overall management of an entire bridge program.

I have more than 25 years of experience supervising staff, and more than 15 years of increasing levels of management experience in the following assignments:

- Office Chief in Structure Maintenance where I was responsible for the State’s Bridge Maintenance program and the State’s Bridge Preservation Program which includes the management of over 40 staff and the prioritization and scoping of approximately \$250 million annually. During my tenure in this position, I gained national and worldwide recognition as an expert in bridge management techniques.
- Office Chief in Structure Construction where I was responsible for all Caltrans structure construction work in Districts 4, 8, 11 & 12 which included the management of over 200 staff involved in over \$1 Billion of construction work. This included QC/QA, staff planning, technical guidance and first level of claims review.

SPECIAL AREAS OF EXPERTISE

- | | |
|------------------------|----------------------------------|
| • DISPUTE RESOLUTIONS | • INTER AGENCY RELATIONSHIPS |
| • HEARING OFFICER | • INFRASTRUCTURE FINANCING |
| • PROGRAM MANAGEMENT | • GRANT WRITING |
| • PROJECT MANAGEMENT | • PAVEMENT AND BRIDGE MANAGEMENT |
| • LEGISLATION ANALYSIS | • CONTRACT NEGOTIATIONS |
| • PUBLIC INTERACTION | • BRIDGE MANAGEMENT |

UNIQUE EXPERIENCES BASED on EXPERTISE:

I am considered a national expert in Bridge Management issues as exemplified by the following assignments:

- International SCAN Team Member – Joint AASHTO/FHWA project to review Bridge Management activities in South Africa and Europe. April 2003.
- Expert Consultant, Hungarian Bridge Management System Implementation, Hungary - 1997
- Project Team Member - National Highway Institute (NHI) Element Level Bridge Inspection Training Class Development - 1995 - 1996

- Project Team Member – National Highway Institute (NHI) Bridge Management and Executive Training Class Development – 1995 – 1996
- Expert Consultant, Saudi Arabian Bridge Management Study - Riyadh, Saudi Arabia - October/November, 1992

AWARDS/PUBLICATIONS/AFFILIATIONS:

- TRANNY Award Winner - “James E. Roberts” Award, 2002
- Task Force Member - AASHTO BRIDGEWare – Current
- Task Force Member - AASHTO Pontis Project – Current
- Panel Member - NCHRP 12-28(2) Bridge Management Systems - Current
- Committee Member – TRB A3C17, Bridge Management Systems – Current
- Task Force Member - GASB34 Infrastructure Reporting Team – 2001
- Team Member - Caltrans Re-Engineering Effort - 1994
- FRANZ Edelman Award, Honorable Mention – 1996
- FHWA Public Service Award
- TRNEWS Feature Article – July/August 2001

PRESENTATIONS/SPEAKING ENGAGEMENTS:

- Key Note Speaker – IAMBAS 2002, Barcelona Spain
- Speaker – SPIE Conference – Newport Beach, CA – March 2001
- Key Note Speaker – Japanese International Bridge Symposium – February 2001 - Sapporo, Japan
- Key Note Speaker – Korean International Bridge Management Conference – February 2001 – Seoul, Korea
- Speaker - AASHTO Subcommittee on Maintenance - Common Maintenance Performance Measures – June 2000
- Conference Program Committee Member and Speaker – 8th International Bridge Management Conference – TRB – Denver, Colorado – April 1999
- Speaker - Structural Engineers World Congress (SEWC) - July 1998
- Instructor - Element Level Bridge Inspection - FHWA 1994 (Provided Training to Michael Baker and Associates so they could modify existing NHI Bridge Inspection Training class to incorporate Element Level Inspection criteria)
- Instructor - Element Level Bridge Inspection - Caltrans - 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998
- Instructor - Element Level Bridge Inspection - Hawaii -1994
- Instructor - Element Level Bridge Inspection - City of Los Angeles - 1994, 1996
- Instructor - Element Level Bridge Inspection - County of Los Angeles - 1995, 1997
- Instructor - Element Level Bridge Inspection - County of Santa Clara - 1994
- Instructor - Introduction to Bridge Management and Element Level Bridge Inspection - Iowa, Oregon, Washington, Arizona, Nevada, Minnesota, Illinois, Kansas, Texas, Louisiana, Florida - FHWA Demonstration Project Number 71 Sponsored - 1991 - 1993

- Panel Member - FHWA COmmonly REcognized (CORE) Elements definitions - 1994
- Task Force Member - AASHTO special study on the joint development process for AASHTO software - March/July, 1994
- Speaker - FHWA Life Cycle Cost Analysis Symposium - Washington D.C. - December, 1993
- Speaker - 2nd ITI Bridge NDE Users Group Conference - Evanston, IL - December, 1993
- Speaker - VECTOR Integrating Transportation Management Systems into Transportation Planning and Operations - Nashville, TN - November, 1993
- Speaker - TRB 7th Conference on Bridge Management - Austin, TX - September 1993
- Speaker - Transportation Management Systems Conference for Colleges and Universities - Washington, D.C. - August, 1992

PROJECT DELIVERY/MANAGEMENT:

- Program Manager - Caltrans Bridge Preservation Program - Responsible for planning, prioritizing and programming an annual program of over \$200 million to rehabilitate and replace state highway bridges - 1989 - Current
- Program Manager - Caltrans Bridge Maintenance Program - Responsible for planning, prioritizing and programming an annual program of over \$6 million to repair state highway bridges - 1992 - Current
- Area Bridge Construction Manager - Responsible for all bridge construction projects in Caltrans Districts 4, 8, 11, & 12 totaling over \$1 billion in construction work. 2001-2002
- Project Manager - Caltrans BIRIS project - Records management system utilizing imaged based retrieval systems and optical disk technology - 1990-1992
- Project Manager - FHWA Demonstration Project Number 71 (*Pontis* project) - Bridge Management System 1989 - 1992
- Resident Engineer - 7 years' experience on multiple projects in Los Angeles and Orange County
- Design Engineer - 2 years' experience on multiple projects

~REFERENCES AVAILABLE UPON REQUEST
