

Guy G. Harris, P.E.

**6744 Garmire Road
Meridian, CA. 95957**

Mobile Phone: 530-701-2360

Office Phone: 530-696-2355

e-mail: guygharris@yahoo.com

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Education - Bachelor of Science degrees in both Mechanical and Civil Engineering from the University of California at Davis 1983. Four units at the University of California at Irvine in Expert Systems, 1992.

License - Registered Professional Civil Engineer in California Number C042222, first acquired in 1987.

Professional Societies – Member of the American Society of Civil Engineers and a member of the National Society of Professional Engineers.

Experience - 27 years with the State of California, Department of Transportation (Caltrans). With the majority of experience in construction related fields, including contract administration, inspection, material testing, surveying, project oversight, liaisons between different agencies and the public, and claims analysis. Researched hundreds of construction claims filed against Caltrans. Served as Secretary to the Caltrans Chief Engineers Board of Review on construction claims. Instructed claim avoidance/delay claim analysis classes to Caltrans Resident Engineers on a statewide basis for two years. Trained and supervised Caltrans Headquarters Construction Claims Analysts. Managed claims engineering teams for \$75 million plus construction earthwork/delay/structure claim package on the Redwood National Park Bypass in preparation for the Arbitration. Provide engineering support and expert research and testimony for both the contract and tort attorneys in the Caltrans Legal Division. Member of the Toll Bridge Specifications and Support Team. Member of the 1999, 2006, and 2010 Standard Specifications Committee. Member of the Plain Language Specifications Committee. Member of the Construction Contractor Overhead Team. Served as lead instructor for the 2007 Office of Structures Construction Annual Winter Training program.

Expert Witness Experience - on the following cases:

For Owner:

Hazzard Construction vs. State of California at the Sweet Water River in San Diego County - delay claim analysis in arbitration.

Ball, Ball & Brosamer vs. State of California at Cisco Grove and Donner Summit in Placer County - general construction practice in arbitration.

Tutor Saliba Corp. vs. State of California - Route 101, Los Angeles County, general construction practices of Caltrans. Arbitration - did not testify - support only.

MCM Construction vs. State of California - Route 12, San Joaquin County, delay claim analysis - negotiated settlement.

Ford Construction vs. State of California - Route 50, El Dorado County - general construction practices of Caltrans - mediation.

FCI Constructors vs. State of California - Route 215, Riverside County, general construction practices of Caltrans, asphalt concrete compaction - mediation.

APB, a joint venture vs. State of California - Route 58 in San Bernardino County, general construction practices of Caltrans - mediation and arbitration.

Kasler Corporation vs. State of California - I-105/605 Interchange, Los Angeles County, general construction practices of Caltrans settled.

Kasler Corporation vs. State of California - I-105, Los Angeles County, delay claims analysis/general construction practices of Caltrans - arbitration.

FCI Constructors vs. State of California - 5/14 Interchange Emergency Earthquake Repair, general construction practices of Caltrans - arbitration

Steven P. Rados Inc. vs. State of California - I-105, Route 1, Los Angeles County, general construction practices of Caltrans - arbitration.

F.N.F. Construction Inc vs. State of California - Route 10, Riverside County, general construction practices of Caltrans. Arbitration - did not testify - support only.

Sundt Corporation vs. State of California - Route 86, Riverside County, Earthwork - Handled by county attorney Mitch Norton - did not testify, case settled.

Regwick Construction vs. State of California - Route 4, Contra Costa County, general construction practices of Caltrans and asphalt concrete paving. - arbitration.

Shasta Constructors vs. State of California - Route 162, Mendocino County, general construction practices of Caltrans - arbitration.

F.N.F. Construction Inc. vs. State of California - Route 58 Kern County, delay analysis and general construction practices of Caltrans - arbitration.

Teichert Construction vs. State of California - Route 120, Manteca, general construction practices of Caltrans - arbitration

Benco Construction vs. State of California - Route 50, El Dorado County, general construction practices of Caltrans - settled by District.

Ball, Ball & Brosamer vs. State of California - I-105, Los Angeles County, delay claims analysis / general construction practice. - arbitration.

Oliver De Sylva vs. State of California - Route 99, Stanislaus County, delay claims analysis, general construction practices. - settled

Palomar Grading and Paving vs. State of California - I-680, Alameda County, delay claims analysis, general construction practices - in progress

Courteous Construction vs. State of California - Route 2 , Los Angeles County, delay claims, bridge retrofit construction. - arbitration

Sully Miller Contracting Co. vs. State of California - Route 15, San Bernardino County, general construction practices - settled

Kvaas Construction Co. Inc. vs. State of California - Route 7 Truck Inspection Station Imperial County at Mexico Border, general construction practices - arbitration

FTR International vs. University of California, Irvine - Caltrans District 12 Traffic Management Center in Orange County, delay claims, general construction practices - Superior Court

Peterson-Chase vs. State of California - I 405 Los Angeles County, delay claims, bridge retrofit construction - arbitration

D.W. Powell Construction vs. State of California – Caltrans District 7 & 12, Certified Welding Inspection - arbitration

Steve P. Rados (Malcolm Drilling) vs. State of California – I 8 / 805 San Diego County, Production analysis and equipment rental rates – mediation and arbitration

NG&N Construction vs. State of California – Caltrans District 3 in Sacramento County, Asphalt Concrete Paving Cross Slope – arbitration

Sully-Miller – MCM J.V. vs. State of California – Caltrans District 7 in Los Angeles County, Portland Cement Concrete Aggregates / Mix Design – arbitration

Burns Pacific vs. State of California – Caltrans District 7 in Los Angeles County, bridge retrofit construction, contract administration – arbitration

C.A. Rasmussen vs. State of California – Caltrans District 11 in San Diego County, contract administration, rebuttal – arbitration

Macro-Z-Technology vs. State of California – Caltrans District 7 Los Angeles County, contract administration, differing site conditions – arbitration

Granite Construction vs. State of California – Caltrans District 11 San Diego County, contract administration, earthwork – arbitration did not testify

R.J. Bullard vs. State of California, - Caltrans District 7 Los Angeles County, contract administration, differing site conditions – settled

Heritage Engineering v State of California, Caltrans District 7, Los Angeles County, contract administration and equipment rental rates – arbitration

Highland Construction Inc. v State of California, Caltrans District 12 Orange County, contract administration and equipment rental rates – arbitration

D.W. Powell v State of California, Caltrans District 7, Los Angeles County, delay claims analysis – arbitration

Lehigh Constructors v State of California, Caltrans District 8, Riverside County, contractor license requirements - arbitration

Banshee Construction v State of California, Caltrans District 12, Orange County, delay claim & schedule analysis – arbitration

A.F.R. Construction v State of California, Caltrans District 8, San Bernardino County, contract administration – did not testify

MCM Construction v State of California, Caltrans District 12, Orange County, contract administration – on going

T.M. Engineering v State of California, Caltrans District 11, San Diego County, contract administration – did not testify

Lach v State of California, Caltrans District 7, Los Angeles County, general construction practices of Caltrans (Tort) – on going

Coronado v State of California, Caltrans District 6, Madera County, general construction practices of Caltrans (Tort) – on going

Highland v State of California, Caltrans District 9, Inyo County, delay claim and schedule analysis, contract administration, - arbitration.

For Contractor and Owner:

Peggy Lynn Galvan vs. State of California, et al. - general construction practices of Caltrans (Tort) for the State of California and Teichert Construction in Placer County - negotiated settlement.

Henry Winig, et al. v. State of California, et al. - general construction practices of Caltrans (Tort) Superior Court for the State of California and Teichert Construction in Placer County - Jury Trial

Work Experience History

Claims Consultant

Name, Address of Employer: Guy G. Harris Consulting, 6744 Garmire Road, Meridian, CA 95957 (08/01/2010 to Present).

Working as independent consultant on contract related dispute issues as well as various other engineering related transportation issues. Currently working on some California Office of Administrative Hearing Contract cases, as well as some California Superior Court cases as an expert witness.

Supervising Transportation Engineer (Limited Term and Permanent)

Name, Address of Employer: Department of Transportation, 1120 N Street, Sacramento, CA 95814 (02/01/94 to 7/31/2010).

Headquarters Legal. As Chief of the Engineering Support Branch for Legal, I was Project Manager over all the engineering research and analysis for the Redwood National Park Bypass Project with claims totaling over \$75,000,000 prior to the out-of-court settlement. I continue to supervise a staff of engineers in Sacramento in coordination with the project attorneys and oversee research and arbitration claim preparation. I am also working as a liaison between Headquarters Legal, Headquarters Construction, various districts, and consultants in the coordination of various arbitration efforts. In addition, I have served as secretary of the Asphalt Concrete Task Force and am a member of the Associated General Contractors/Caltrans Rock Products Committee. I have worked closely with attorneys on both tort cases and have testified in both mediation and arbitration cases on construction claims from several projects. On one of these projects I was the Resident Engineer of record. I served as both percipient and expert witness in said arbitration. I have testified in Superior Court as well as a percipient/expert witness. In addition, I work closely with top managers of Headquarters Legal on financial and policy matters and oversee expert witness contract amounts and work product. I worked on the California Rail Car Manufacturing project, overseeing the contract administration claims avoidance and warranty engineering with Amerail (formerly Morrison-Knudsen). I regularly review all proposed new and modified specifications and standard special provisions. I am currently on the specification writing / trouble shooting committee for the California Toll Bridge Retrofit program and a member of the 2010 Standard Specifications Committee and the Plain Language Specifications Committee.

Reason for Leaving: Retired from the Department of Transportation.

Senior Transportation Engineer: (Limited Term)

Name, Address of Employer: Department of Transportation, 1120 N Street, Sacramento, CA 95814 (08/02/93 - 01/31/94).

Headquarters Legal. I was in charge of the engineering research and analysis for the Redwood National Park Bypass Project with claims totaling over \$75,000,000. I hired, trained, and managed the staff of the engineering support unit for Headquarters Legal to prepare for arbitration of this claim package. I also worked as liaison between Headquarters Legal, Headquarters Division of Construction, District 1 and consultants in the coordination of the efforts. In addition, I continued to serve as secretary of the Asphalt Concrete Task Force and a member of the Associated General Constructors/Caltrans Rock Products Committee. I worked with attorneys on both Tort cases and construction claims from projects for which I was the Resident Engineer, acting as both percipient and expert witness.

Reason for Leaving: Promotion.

Senior Transportation Engineer

Name, Address of Employer: Department of Transportation, 1120 N Street, Sacramento, CA 95814 (07/01/91 - 08/01/93).

Headquarters Construction, Engineering and Management. I participated in the development of the Claims Resolution Branch. In this unit I analyzed construction claims of various natures, particularly those of production and/or delay claim nature. I used Critical Path Method (CPM) computer programming to "reconstruct" projects from a time/as-built aspect in order to analyze the effects of Contract Changes and other delays. I worked closely with the Board of Review and our Legal staff in these analyses, and have served as a secretary to said Board. I have done a great deal of research and analysis for the Redwood National Park Bypass Project with claims totaling over \$75,000,000. I worked on an assignment to staff, train and manage an engineering support unit for Headquarters Legal to prepare for arbitration of this claim package. I also worked as a liaison between Headquarters Legal, Headquarters Construction and District 1 in the coordination of the efforts. Prior to this assignment I used the aforementioned CPM methods to assist the district field personnel in the management of ongoing projects. I have instructed a delay analysis/CPM class to district construction personnel on a statewide basis. I have established an electronic data base management system used to track the status of claims throughout the state using data received electronically from each district claims office. In addition, I served as secretary of the Asphalt Concrete Task Force and a member of the Associated General Contractors/Caltrans Rock Products Committee and was involved in the rewriting of section 39 of the 1992 Standard Specifications. I was Project Manager for the Home Office Overhead research project performed at San Francisco State University. I was the Knowledge Based Expert Systems Coordinator for Construction. I have written the specification updates for the CPM scheduling specification as well. I functioned as the computer coordinator for the claims unit. I have served on an interview panel for hiring new engineers into our unit. I completed the Oversight Academy and the Developing Managerial Effectiveness series. I was designated as Acting Branch Chief in the absence of my supervisor. In addition, I trained and oversaw the work of the newer members of said unit.

Reason for Leaving: Broaden Experience.

Acting Senior Transportation Engineer

Name, Address of Employer: Department of Transportation, 703 "B" Street, Marysville, CA 95901 (01/22/91 - 02/20/91).

I was the Branch Chief of Construction Branch A in District 3. This position covers supervision of the construction office staff, electrical field engineers, and various construction field offices. I oversaw a portion of the construction of various Dollar projects including Cameron Park, Harding Boulevard, and Zinfindel. I served on the Safety Review Committee, and was the personnel coordinator for Construction.

Reason for Leaving: Return to permanent position.

Associate Transportation Engineer (Reg.)

Name, Address of Employer: Department of Transportation, 703 "B" Street, Marysville, CA 95901 (07/01/88 - 06/30/91).

I was Resident Engineer in charge of an annual construction program in excess of \$5,000,000. Some of the major projects I was in charge of were the A.C. overlay of Route 49 from So. Fork Yuba River to North San Juan, the reconstruction of 6 miles of I-80 using PCC and reconstruction of 9 bridges at Cisco Grove, the construction of a median barrier and reconstruction of 2 bridges on I-80 at Baxter, the slide removal and reconstruction of the slopes at Baxter, the construction of chain on areas on I-80 at Nyack and Kingvale and began reconstruction and PCC overlay of I-80 from Kingvale to Soda Springs. I worked with the District Project Development, Right of Way, Translab, Maintenance, Accounting, FHWA, utility companies, various local county officials and public landowners on problem areas encountered in the construction projects. I have supervised as many as ten employees, most of which were consultant inspectors. I was Personal Computer consultant for District 3 Construction and instructed both construction and district office personnel. I worked with the local California Highway Patrol in coordinating COZEEP contracts. I have also dealt with many budgeting, rental, and right of way agreement problems at various levels. I gave several presentations on the use of CPM scheduling programs throughout the state. I also set up several management plans and forecasting means via the computer for the Deputy District Director for Construction.

Reason for Leaving: Promotion.

Assistant Transportation Engineer

Name, Address of Employer: Department of Transportation, 703 "B" Street, Marysville, CA 95901
(07/01/84 - 06/30/88).

I worked as a materials tester, plant inspector, hazardous waste site investigator, borrow and disposal site investigator, mainframe computer programmer, surveyor, assistant traffic engineer, designer, and primarily as an Assistant Resident Engineer in Construction. As Assistant Resident Engineer, the major projects I was personally involved in were the widening of Hwy. 174 near Chicago Park, the construction of Sack concrete walls on the Yuba River and Hwy 49 near Downeyville and Sierra City, the reconstruction of 7 bridges on I-80 from Blue Canyon to Kingvale, the reconstruction and widening of 2 bridges and the roadway at Long Ravine on I-80 near Colfax, and the completion of the widening of Brunswick Road bridge and freeway connection on Hwy 20/49 in Grass Valley. These projects, along with the many smaller projects included Asphalt Concrete Paving, Drainage Portland Cement Concrete Paving, Barrier and Guard Rail construction, Bridge Construction, Earthwork, slurry seals, fence construction, signing, striping, lighting and signal system work. I was acting Resident Engineer in the absence of my supervisor. I was Personal Computer Coordinator for District 3 Construction and instructed the use of said computers to field personnel.

Reason for Leaving: Promotion.

Junior Civil Engineer

Name, Address of Employer: Department of Transportation, 703 "B" Street, Marysville, CA 95901
(06/20/83 - 06/30/84).

I participated in the District 3 rotation program, working in Construction, Project Development, and Planning. In Construction I worked as an assistant Resident engineer performing materials testing and inspection work. The major projects included widening and A.C. overlay on Hwy 89 at Sunny Side, construction of an A.C. walkway on Hwy 89 at Sierraville, construction of a slotted drain on I-80 at Soda Springs, and an A.C. overlay on Hwy 89 from Tahoe City to Tahoma. In Project Development I worked on the project report for Hwy 49 widening in Auburn, curve corrections on Hwy 49 near Placerville, the redesign of the intersection of Hwy 49 and 193 at Placerville, and the roadside rest on I-5 at Dunnigan. In addition, I wrote several computer mainframe programs for use in the above departments.

Reason for Leaving: Promotion.

Self Employed, Auto Parts Sales and Repairs

Name, Address of Employer: Tisdale Motors Performance, 6744 Garmire Road, Meridian, CA 95957
(01/01/78 - Present).

I own and operate an automotive parts sales and mechanical repair business, specializing in antique and custom automobiles. In addition, I manage all of the company records, using my own computerized spread sheets and data bases. I work with the proper public authorities that have to do with this field of work.

Reason for Leaving: Present Position.

Walnut Farmer

Name, Address of Employer: Guy G. Harris Farms, 6744 Garmire Road, Meridian, CA 95957 (01/01/92 ∇ Present).

I own and manage walnut orchard operations for over 400 acres of developing and producing walnut orchards. This work includes all supervision required to manage full-time and part-time employees, as well as coordinating equipment and materials needed in the day-to-day operations. I manage all of the company records using my own computerized spreadsheets and databases. I work with the county agriculture agents to abide with the permits and environmental concerns involving the use of chemicals and fertilizers. I coordinate permits for the use of river and slough irrigation water with local, state, and federal water control agents. I conform with all the requirements of the Employment Development Department on personnel matters and the appropriate government tax revenue agencies. I also work with geologists on contracts for natural gas exploration and the Division of Oil and Gas on mineral rights and regulation of gas developers. I also design, develop, and oversee earthwork leveling for agricultural fields.

Reason for Leaving: Present Position.

Mechanic/Foreman

Name, Address of Employer: Tisdale Weir Ranch, 6744 Garmire Road, Meridian, CA 95957 (01/01/75 ∇ 12/31/91).

I supervised employees in walnut orchard operations, oversaw and performed mechanical and building repair work as well as designed and constructed new machinery as required. In addition, I kept company records for budgeting cost and income breakdown and inventories, using computers.

Reason for Leaving: Started own business to farm above acreage.

Assistant Surveyor/Mechanic

Name, Address of Employer: Gillett, Harris, Duranceau Assoc., 555 Onstott Highway, Yuba City, CA 95991 (06/76 ∇ 06/83).

I worked as an assistant surveyor in land leveling operations and other various projects. I worked with an early computer system, inputting data from fieldwork on magnetic cards. In addition, I was in charge of maintenance and repair of the entire fleet of vehicles. I worked full-time when not in school.

Reason for Leaving: Part -time work only.