

Robert M. Fill,  
CCM

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Education

*California State University,  
Sacramento*  
B.S. – Engineering,  
Construction Management

*California State University,  
Sacramento*  
Management Certificate

*Antelope Valley College*  
A.A. – Architectural and  
Engineering Sciences

Selected Awards

*Northern California  
Chapter of the  
Construction Management  
Association of America*  
2006 Project of the Year  
Award

*American Public Works  
Association*  
2007 Project of the Year  
Award for Disaster or  
Emergency Construction  
Repair (projects more than  
\$100 million)

Experience Summary

Robert Fill is a skilled, certified construction manager with over 38 years of industry experience. His qualifications include management and supervision of public works and private construction projects, such as hydroelectric power plants, pumping plants, pipelines, reservoirs, dams, tunnels, aqueducts, levees, control structures, highways, roadways, and buildings. He is experienced in both heavy civil and building construction of various types and sizes.

Mr. Fill is knowledgeable in project management, construction scheduling, cost estimating, surveying, materials testing, contract administration, change order negotiation, and dispute resolution. His career with the California Department of Water Resources' Division of Engineering has included work on major projects/programs such as Pyramid Powerplant, Alamo Powerplant, Pearblossom Pumping Plant Enlargement, Mojave Siphon Powerplant, the Coastal Branch Phase II, the East Branch Extension Phases I and II, the South Bay Aqueduct Enlargement and the Emergency Levee Erosion Repairs (ordered in 2006 by then Governor Arnold Schwarzenegger under an Emergency Declaration).

In addition to his qualifications as a successful construction manager, negotiator and facilitator, Mr. Fill's experience also includes providing expert support to help resolve current and outstanding potential and formal public works construction claims. He is a member of the International Partnering Institute and the Dispute Resolution Board Foundation. Mr. Fill strives to bring a fair, impartial, and neutral owner's perspective to the dispute resolution process. He has completed Dispute Resolution Board training through the DRBF and Dispute Resolution Team training through the Nevada Department of Transportation.

Employment History

**Chief Construction Supervisor/Program Manager**

June 2014 to Present (1 Year, 9 Months) – California Department of Water Resources, Division of Engineering, Sacramento, CA

- Act as a subject matter expert providing expert claims support to help resolve current and outstanding construction claims. Review and provide guidance on resolution of notices of potential claims. Oversee investigations, findings, determinations, requests and notices in connection with current active construction contract claims. Review, negotiate, and make recommendations to settle construction contract claims.
- Provide constructability reviews and preconstruction services for the Bay Delta Conservation Plan to identify alternatives for routing fresh water from the Sacramento River to state and federal facilities, while incorporating extensive habitat restoration actions in the Delta.
- Plan, organize, and lead the implementation of a Construction Contract Partnering Program for the Department of Water Resources. Develop program objectives; establish a well-defined program management strategy and plan; address change management; create benchmarks; and establish performance metrics.
- Revise the Division of Engineering Construction Manual by researching and incorporating best management practices of the construction industry and other State Contract Act agencies.

Memberships

Construction Management Association of America

International Partnering Institute

Dispute Resolution Board Foundation

**Chief, Construction Branch/Program Manager**

May 2010 to June 2014 (4 Years) – California Department of Water Resources, Division of Engineering, Construction Branch, Sacramento, CA

- Responsible for construction management of over \$400 million in construction contracts administered by the Department of Water Resources (DWR) statewide. Also responsible for over \$100 million in equipment and materials manufacturing/procurement contracts administered by DWR worldwide. Provided guidance and assistance in interpretation of contract documents for six sections of the Construction Branch, including four Project Headquarters managing over 40 statewide construction projects and over 10 worldwide equipment and materials manufacturing/procurement projects.
- Shared knowledge and experience and trained staff in contract administration, construction scheduling, estimating, construction procedures, construction safety, construction inspection, change order negotiation and dispute resolution through on-the-job mentoring and formal training.
- Managed and supervised over 140 state and contract personnel in interpretation of contract plans and specifications and management of construction contracts. Supervised development of standardized contract administration and change order procedures within the Construction Branch.

**Chief, Levee Repair Project Headquarters/Project Engineer**

April 2006 to May 2010 (4 Years) – California Department of Water Resources, Division of Engineering, Construction Branch, Sacramento, CA

- Construction Supervisor for over \$130 million in construction contracts for the Emergency Levee Erosion Repairs program. Over \$100 million in construction contracts completed within an 18-month period; over \$90 million completed within the first 6 months. Set up and equipped new headquarters and field offices, hired staff, trained staff, and established procedures for construction management of levee erosion repairs and setback levee construction at 33 critical repair sites.
- Supervised over 40 personnel, including professional engineers, construction inspectors, contract administrators, estimators, schedulers, landscape architects and environmental monitors. Work ordered under Governor Schwarzenegger's Emergency Declaration and Executive Order to DWR was completed on time and within budget.
- Following completion of initial emergency repairs in 2008, the Levee Repair Project Headquarters (LRPH) continued to administer flood management construction projects in Northern and Central California, including levee repairs, flood bypass reconstruction, road repairs, and habitat restoration.

**Construction Management Supervisor/Field Engineer**

May 2000 to April 2006 (6 Years) – California Department of Water Resources, Division of Engineering, Construction Office, Lancaster, CA

- Field Engineer for various projects administered by the Lancaster Project Headquarters, Construction Office, Division of Engineering. Administration of contracts included correspondence and directive preparation, submittal review and responses, RFI responses, and interpretation of contract documents. Supervised, trained, and coordinated work of construction inspection staff. Met with contractors and coordinated between contractors, designers, operations & maintenance personnel, local agencies, clients, and project engineer. Monitored project progress and scheduling. Estimated costs and time for changes and delays and prepared change orders and justifications. Estimated and prepared progress payments and submitted for approval/processing.

**Chief, Contract Administration/Supervising Office Engineer**

April 1993 to May 2000 (7 Years) – California Department of Water Resources, Construction Office, Division of Design and Construction, San Luis Obispo, CA

- Supervised up to 15 contract administration and administrative support staff for over \$250 million in construction contracts on the Coastal Branch Phase II program. Supervised staff in preparing cost estimates; tracking, preparing, and justifying contract change orders; preparing, monitoring, reviewing, and analyzing construction schedules; preparing construction progress and budget reports; reviewing and commenting on preliminary plans and specifications; processing payments to contractors; monitoring project safety and commenting on contractor's project safety reports; and providing administrative support to up to 90 project personnel.
- Acted as liaison between field engineers, project engineer, contractors, and clients on various aspects of construction projects, including facilitating change order negotiations between owner's representatives and contractors, assisting field engineers and project engineer with contract interpretation issues, and preparing directives and correspondence from owner to contractors.
- Evaluated and coordinated responses to potential and formal claims on various projects. Provided status reports and budget updates to owner and water contractors.

*Additional Experience Available on Request*

References

Richard Sanchez, P.E.  
Engineering Branch Manager  
GEI Consultants, Inc.  
2868 Prospect Park Drive, Suite 400  
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Construction Manager  
HDR Engineering, Inc.  
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## Project Experience

**Crafton Hills Reservoir Enlargement – East Branch Extension Phase I Improvements** – \$11 million construction project to complete a new earthen embankment dam, concrete structures, and roadways to enlarge the existing Crafton Hills Reservoir. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He coordinated establishment of a field office, guided staff in hiring and training of a construction management team, and provided oversight for complex project documentation and decision making. Among other accomplishments, during his time as Construction Branch Chief his oversight ensured that the project's scheduling was maintained contemporaneously such that responsibility for delays was resolved as the project progressed.

**Citrus Reservoir – East Branch Enlargement Phase II** – \$21 million construction project to complete the Citrus Reservoir, including earthwork, asphalt liner, and concrete inlet and outlet structures. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He coordinated establishment of a field office, guided staff in hiring and training of a construction management team, and provided oversight for complex project documentation and decision making. The project was completed early and within budget.

**Mentone Pipeline, South and East, Foothill Pipeline to Crafton Hills Pump Station – East Branch Extension Phase II** – \$41 million construction project to complete approximately six miles of 72 and 66-inch cement mortar lined steel pipeline, structures, and appurtenances. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He coordinated establishment of a field office, guided staff in hiring and training of a construction management team, and provided oversight for complex project documentation and decision making. Mr. Fill personally managed and prepared complex dispute defenses on the project concurrent with Construction Branch Chief responsibilities.

**Crafton Hills Pump Station Expansion and Citrus Pump Station, Initial – East Branch Enlargement Phase II** – \$26 million construction project to complete the initial phase of both the existing Crafton Hills Pump Station Enlargement and the new Citrus Pump Station. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He coordinated establishment of a field office, guided staff in hiring and training of a construction management team, and provided oversight for complex project documentation and decision making. Mr. Fill made significant staffing adjustments during a critical phase of the project, which resulted in the correction of defective work and satisfactory completion of the pumping plant addition and new pumping plant.

**Southern Field Headquarters – Pearblossom O&M Center** – \$16 million building project to construct a three-module, LEED-certified building for DWR's Southern Field Division and Pearblossom Project Headquarters. Under Mr. Fill's guidance, the project's schedule was maintained contemporaneously such that responsibility for delays was resolved as the project progressed. The project experienced over \$2 million in changes with no potential or formal claims outstanding. The project obtained the first LEED Platinum level certification for a State-constructed and owned building in California.

**South Bay Pumping Plant Enlargement** – \$26 million construction project to expand the South Bay Pumping Plant and install four Department-furnished 45 cfs pumps with 4000 hp motors, valves, hydraulic power unit, transformers, switchgear, bridge crane and other equipment for the Department of Water Resources, Delta Field Division. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight and became involved in this project during the final phases of construction. He coordinated startup and testing teams and

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*resolved numerous disputes and defective work issues for this project. His efforts resulted in successful correction of defective work and five commercially operational units.*

**Furnish 45 CFS Pump and Motor Units – Units 10, 11, 12, and 13 and One Spare – South Bay Pumping Plant** – \$8 million equipment contract to furnish five 45 cfs pumps with 4000 hp motors for installation in the South Bay Pumping Plant. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He became involved in the project after the equipment had been manufactured and delivered and subsequently found to be defective. In coordination with the South Bay Pumping Plant Enlargement project, he led negotiation and inspection teams and resolved numerous disputes and defective work issues on the pumps and motors to make them operational. Mr. Fill led a team of startup and testing experts and consultants to bring the units into commercial operation.

**Dyer Reservoir – South Bay Aqueduct Enlargement** – \$18 million construction project to complete Dyer Reservoir, a 500 acre-foot storage area, including earthwork, asphalt liner, pipelines, inlet and outlet structures, and control systems. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He assisted with construction oversight and dispute resolution and participated in the formal claims phase of the project.

**Pump-Turbine Refurbishment; Units 2, 4 and 6 – Hyatt Powerplant** – \$12 million equipment contract to refurbish three existing pump-turbines at DWR's Hyatt Powerplant, Oroville Field Division. Mr. Fill was Chief of the Construction Branch for DWR, responsible for construction management oversight. He became involved in the project after the equipment had been manufactured and delivered and subsequently found to be partially defective. Mr. Fill oversaw the correction of defective work and negotiated the close-out of the contract, resolving nearly \$4 million in potential claims that remained from the 10-year plus project when he assumed responsibility.

**Emergency Levee Erosion Repairs Program** – \$130 million emergency construction program to repair 33 critical levee erosion sites, including rock rip rap, earth berms, earthen set back levees, mitigation plantings and plant establishment. Mr. Fill was the Chief, Levee Repair Project Headquarters, supervising over 40 DWR and contract staff in the administration of six major construction projects. All projects were completed on time, or with responsibility for delays resolved, and within budget. Under Mr. Fill's management and supervision, the LRPH received a 2006 Project of the Year Award from the Northern California Chapter of the Construction Management Association of America and a 2007 Project of the Year Award for Disaster or Emergency Construction Repair (projects more than \$100 million) from the American Public Works Association.

**Excavation, Inspection, and Repair, Phase III – Santa Ana Pipeline** – \$3.5 million construction project to repair corroded sections of prestressed concrete cylinder pipe in the Santa Ana Pipeline. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of changes in the work. The project was completed on time and within budget.

**Joint Repairs – Pearblossom Pumping Plant Discharge Line #1 and Weir Modifications at Devil Canyon Pumping Plant Afterbay** – \$1.5 million construction project to repair concrete lining in prestressed concrete cylinder pipe and coal tar epoxy coating in steel pipe. The project also included custom modifications to a weir at the Devil Canyon Pumping Plant afterbay, including the addition of a steel reinforced concrete cap, which was unique to the Department and the industry. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project

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correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of changes in the work. The project was completed on time and within budget.

**Spillway Wall Repair – Castaic Dam** – \$500,000 construction project to repair a reinforced concrete spillway wall prior to the rainy season. Failure to complete the work would have resulted in filling limitations for Castaic Lake over the next winter. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of delays and changes in the work. The project was completed with all responsibility for delays resolved and within budget, despite several contractor delays and deficiencies.

**Adit Refurbishment – A. D. Edmonston Pumping Plant Discharge Line Tunnel** – \$1.5 million construction project to refurbish the Edmonston discharge line tunnel, including rock removal, lagging and wedges, chain link containment, hazardous waste removal, coal tar coating of pipelines, and air quality management. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of delays and changes in the work. The project was completed on time and within budget.

**Boating Facilities Renovation/Improvements – Castaic Lake Recreation Area** – \$2.5 million construction project to renovate and improve the boating facilities at Castaic Lake. The work included demolition of existing facilities, relocating utilities, sitework/earthwork, road work, masonry retaining walls, concrete, entrance kiosks, a concession building, shade ramadas/trellises, a play structure, and numerous landscaping and miscellaneous features. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of changes in the work. The project was completed with responsibility for time resolved and within budget.

**Inland Feeder Connection – Devil Canyon Powerplant Second Afterbay** – \$1.2 million construction contract to complete associated facilities and install a Department-furnished 132-inch butterfly valve for connection of Devil Canyon Powerplant to the Metropolitan Water District's Inland Feeder pipeline. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of changes in the work. Mr. Fill became involved in the project after delays to appurtenances and valves had impacted the project schedule. His management and supervision allowed the project to be completed without impact to water deliveries and with all costs and time resolved to the satisfaction of DWR and its client, with minimal impact to its contractor.

**Pipeline Reach 3, Garden Air Creek to Noble Creek – East Branch Extension Phase I** – \$13 million construction project to complete five (5) miles of 54-inch and 36-inch buried steel pipeline, a jacked crossing, excavation and backfill, asphalt demolition and replacement, and various concrete structures, valves and associated piping. Mr. Fill was the Field Engineer responsible for training and supervision of inspection staff, meetings with the contractor, responses to RFIs and submittals, generation of project correspondence, preparation of construction pay estimates, monitoring of the project schedule, and negotiation of changes in the work. The project was completed with responsibility for time resolved and within budget.

**Pipeline Reaches 1 through 5 – Coastal Branch Phase II** – \$160 million in construction projects to excavate, place and backfill 54-inch cement mortar lined steel pipeline and associated structures. Mr. Fill was the Chief of Contract Administration for the Coastal Project Headquarters,

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*supervising contract administration staff involved in preparation of construction pay estimates, change order cost estimates, change orders, schedules, progress and budget reports, and other support services to approximately 90 project personnel. Mr. Fill also actively participated in and facilitated change order negotiations, contract interpretations, and contract correspondence.*

**Three Pumping Plants - Devil's Den, Bluestone, and Polonio Pass – Coastal Branch Phase**

**II** – \$27 million in initial and completion construction contracts for constructing pumping plants along the Coastal Branch of the California Aqueduct. Mr. Fill was Chief of Contract Administration for the Coastal Project Headquarters, supervising contract administration staff involved in preparation of construction pay estimates, change order cost estimates, change orders, schedules, progress and budget reports, and other support services to approximately 90 project personnel. Mr. Fill also actively participated in and facilitated change order negotiations, contract interpretations, and contract correspondence.

**Cuesta Tunnel Modifications – Coastal Branch Phase II** – \$4.5 million construction project to modify the Cuesta Tunnel to add a 54-Inch pipeline for the Coastal Branch Phase II. Mr. Fill was the Chief of Contract Administration for the Coastal Project Headquarters, supervising contract administration staff involved in the preparation of construction pay estimates, change order cost estimates, change orders, schedules, progress and budget reports, and other support services to approximately 90 project personnel. Mr. Fill also actively participated in and facilitated change order negotiations, contract interpretations, and contract correspondence.

**Tanks 1 and 2 – Coastal Branch Phase II** – \$36 million in construction contracts to build two pre-stressed concrete storage tanks for the Coastal Branch Phase II. Mr. Fill was the Chief of Contract Administration for the Coastal Project Headquarters, supervising contract administration staff involved in preparation of construction pay estimates, change order cost estimates, change orders, schedules, progress and budget reports, and other support services to approximately 90 project personnel. Mr. Fill also actively participated in and facilitated change order negotiations, contract interpretations, and contract correspondence.

*Additional Projects Available on Request*

Other Experience

**Project Manager/Designer**

*Development Engineering – Lancaster, CA 93534*

*Mr. Fill was a general partner in this company with two other partners. His position was project manager and designer/draftsperson. He participated in the project design and was project manager for some of the projects during the construction phase. The projects completed by the company included:*

- *Complete site improvement plans for a 42-lot subdivision in Lancaster, CA.*
- *Complete site improvement plans for a 21-lot subdivision in Lancaster, CA.*
- *A Final Parcel Map in the County of Los Angeles.*
- *Street improvement plans and street light layout plans for a commercial dairy in Lancaster, CA*
- *Street improvement plans for a commercial building in Lancaster, CA.*
- *A tentative tract map for a 5-lot subdivision in Quartz Hill, CA.*
- *Complete plans for a 1,400 sf residence in San Bernardino, CA.*
- *A complete feasibility study for the development of over 300 acres in Kern County, CA.*